Models 336, 338 & 339

Freezemaster 300 Series

Original Operating Instructions

036029-M

TAYLOR®

4/16/09 (Original Publication)
(Updated 3/18/13)

Complete this page for quick reference when service is required:

Taylor Distributor: _____

Address: _____

Phone: _____

Service: _____

Parts: _____

Date of Installation: _____

Information found on the data label:

Model Number: _____

Serial Number: _____

Electrical Specs: Voltage _____ Cycle _____

Phase _____

Maximum Fuse Size: _____ A

Minimum Wire Ampacity: _____ A

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036029–M

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Taylor Company
750 N. Blackhawk Blvd.
Rockton, IL 61072

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Note: Continuing research results in steady improvements; therefore, information in this manual is subject to change without notice.

Note: Only instructions originating from the factory or its authorized translation representative(s) are considered to be the original set of instructions.

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Section 1 To the Installer

The following are general installation instructions. For complete installation details, please see the checkout card.

Installer Safety

In all areas of the world, equipment should be installed in accordance with existing local codes. Please contact your local authorities if you have any questions.

Care should be taken to ensure that all basic safety practices are followed during the installation and servicing activities related to the installation and service of Taylor equipment.

- Only authorized Taylor service personnel should perform installation and repairs on the equipment.
- Authorized service personnel should consult OSHA Standard 29CFRI910.147 or the applicable code of the local area for the industry standards on lockout/tagout procedures before beginning any installation or repairs.
- Authorized service personnel must ensure that the proper PPE is available and worn when required during installation and service.
- Authorized service personnel must remove all metal jewelry, rings, and watches before working on electrical equipment.

The main power supply(s) to the freezer must be disconnected prior to performing any repairs. Failure to follow this instruction may result in personal injury or death from electrical shock or hazardous moving parts as well as poor performance or damage to the equipment.

Note: All repairs must be performed by an authorized Taylor Service Technician.

This unit has many sharp edges that can cause severe injuries.

Site Preparation

Review the area where the unit will be installed before uncrating the unit. Make sure that all possible hazards to the user and the equipment have been addressed.

Air Cooled Units

DO NOT obstruct air intake and discharge openings:

Air cooled units require a minimum of 3” (76 mm) of clearance around **all** sides of the freezer to allow for adequate air flow across the condenser(s). Failure to allow adequate clearance can reduce the refrigeration capacity of the freezer and possibly cause permanent damage to the compressor.

For Indoor Use Only: This unit is designed to operate indoors, under normal ambient temperatures of 70°-75°F (21°-24°C). The freezer has successfully performed in high ambient temperatures of 104°(40°C) at reduced capacities.

This unit must **NOT** be installed in an area where a water jet or hose can be used. **NEVER** use a water jet or hose to rinse or clean the unit. Failure to follow this instruction may result in electrocution.

This unit must be installed on a level surface to avoid the hazard of tipping. Extreme care should be taken in moving this equipment for any reason. Two or more persons are required to safely move this unit. Failure to comply may result in personal injury or equipment damage.

Uncrate the unit and inspect it for damage. Report any damage to your Taylor Distributor.

This piece of equipment is made in the USA and has USA sizes of hardware. All metric conversions are approximate and vary in size.

Water Connections

(Water Cooled Units Only)

An adequate cold water supply must be provided with a hand shut-off valve. On the underside rear of the base pan, two 1/2" I.P.S. water connections for inlet and outlet have been provided for easy hook-up. 1/2" inside diameter water lines should be connected to the machine. (Flexible lines are recommended, if local codes permit.) Depending on local water conditions, it may be advisable to install a water strainer to prevent foreign substances from clogging the automatic water valve. There will be only one water "in" and one water "out" connection for both single-head and double-head units. DO NOT install a hand shut-off valve on the water "out" line! Water should always flow in this order: first, through the automatic water valve; second, through the condenser; and third, through the outlet fitting to an **open trap drain.**

A back flow prevention device is required on the incoming water connection side. Please refer to the applicable National, State, and local codes for determining the proper configuration.

Electrical Connections

In the United States, this equipment is intended to be installed in accordance with the National Electrical Code (NEC), ANSI/NFPA 70-1987. The purpose of the NEC code is the practical safeguarding of persons and property from hazards arising from the use of electricity. This code contains provisions considered necessary for safety. In all other areas of the world, equipment should be installed in accordance with the existing local codes. Please contact your local authorities.

FOLLOW YOUR LOCAL ELECTRICAL CODES!

Each unit requires one power supply for each data label on the unit. Check the data label(s) on the freezer for branch circuit overcurrent protection or fuse, circuit ampacity, and other electrical specifications. Refer to the wiring diagram provided inside of the electrical box for proper power connections.

CAUTION: THIS EQUIPMENT MUST BE PROPERLY GROUNDED! FAILURE TO DO SO CAN RESULT IN SEVERE PERSONAL INJURY FROM ELECTRICAL SHOCK!

DO NOT operate this freezer with larger fuses than specified on the unit data label. Failure to follow this instruction may result in electrocution or damage to the machine.

This unit is provided with an equipotential grounding lug that is to be properly attached to the rear of the frame by the authorized installer. The installation location is marked by the equipotential bonding symbol (5021 of IEC 60417-1) on both the removable panel and the equipments frame.

Stationary appliances which are not equipped with a power cord and a plug or another device to disconnect the appliance from the power source must have an all-pole disconnecting device with a contact gap of at least 3 mm installed in the external installation.

Appliances that are permanently connected to fixed wiring and for which leakage currents may exceed 10 mA, particularly when disconnected or not used for long periods, or during initial installation, shall have protective devices such as a GFI, to protect against the leakage of current, installed by the authorized personnel to the local codes.

Supply cords used with this unit shall be oil-resistant, sheathed flexible cable not lighter than ordinary polychloroprene or other equivalent synthetic elastomer-sheathed cord (Code designation 60245 IEC 57) installed with the proper cord anchorage to relieve conductors from strain, including twisting, at the terminals and protect the insulation of the conductors from abrasion.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified person, in order to avoid a hazard.

Beater Rotation

Beater rotation must be clockwise as viewed looking into the freezing cylinder of any model freezer.

Note: The following procedures should be performed by a trained service technician.

To correct rotation on a three–phase unit, interchange any two incoming power supply lines at freezer main terminal block only.

To correct rotation on a single–phase unit, change the leads inside the beater motor. (Follow diagram printed on motor.)

Electrical connections are made directly to the terminal block provided in the main control box located behind the service panel.

Refrigerant

In consideration of our environment, Taylor proudly uses only earth friendly HFC refrigerants. The HFC refrigerant used in this unit is R404A. This refrigerant is generally considered non-toxic and non-flammable, with an Ozone Depleting Potential (ODP) of zero (0). However, any gas under pressure is potentially hazardous and must be handled with caution.

NEVER fill any refrigerant cylinder completely with liquid. Filling the cylinder to approximately 80% will allow for normal expansion.

Use only R134a refrigerant that conforms to the AHI standard 700 specification. The use of any other refrigerant may expose users and operators to unexpected safety hazards.

Refrigerant liquid sprayed onto the skin may cause serious damage to tissue. Keep eyes and skin protected. If refrigerant burns should occur, flush immediately with cold water. If burns are severe, apply ice packs and contact a physician immediately.

Taylor reminds technicians to be cautious of government laws regarding refrigerant recovery, recycling, and reclaiming systems. If you have any questions regarding these laws, please contact the factory Service Department.

WARNING: R404A refrigerant used in conjunction with polyolester oils is extremely moisture absorbent. When opening a refrigeration system, the maximum time the system is open must not exceed 15 minutes. Cap all open tubing to prevent humid air or water from being absorbed by the oil.

Section 2 To the Operator

The freezer you have purchased has been carefully engineered and manufactured to give you dependable operation. The Taylor soft-serve models covered in this manual consist of the following: 336, 338 and 339.

These units, when properly operated and cared for, will produce a consistent quality product. Like all mechanical products, they will require cleaning and maintenance. A minimum amount of care and attention is necessary if the operating procedures outlined in this manual are followed closely.

This Operator's Manual should be read before operating or performing any maintenance on your equipment.

Your Taylor freezer will NOT eventually compensate for and correct any errors during the set-up or filling operations. Thus, the initial assembly and priming procedures are of extreme importance. It is strongly recommended that personnel responsible for the equipment's operation, both assembly and disassembly, go through these procedures together in order to be properly trained and to make sure that no confusion exists.

In the event you should require technical assistance, please contact your local authorized Taylor Distributor.

Note: Warranty is valid only if the parts are authorized Taylor parts, purchased from an authorized Taylor Distributor, and the required service work is provided by an authorized Taylor service technician. Taylor reserves the right to deny warranty claims on equipment or parts if non-approved parts or refrigerant were installed in the machine, system modifications were performed beyond factory recommendations, or it is determined that the failure was caused by neglect or abuse.

Note: Constant research results in steady improvements; therefore, information in this manual is subject to change without notice.

If the crossed out wheeled bin symbol is affixed to this product, it signifies that this product is compliant with the EU Directive as well as other similar legislation in effect after August 13, 2005. Therefore, it must be collected separately after its use is completed, and cannot be disposed as unsorted municipal waste.

The user is responsible for returning the product to the appropriate collection facility, as specified by your local code.

For additional information regarding applicable local laws, please contact the municipal facility and/or local distributor.

Compressor Warranty Disclaimer

The refrigeration compressor(s) on this machine are warranted for the term indicated on the warranty card accompanying this machine. However, due to the Montreal Protocol and the U.S. Clean Air Act Amendments of 1990, many new refrigerants are being tested and developed, thus seeking their way into the service industry. Some of these new refrigerants are being advertised as drop-in replacements for numerous applications. It should be noted that, in the event of ordinary service to this machine's refrigeration system, **only the refrigerant specified on the affixed data label should be used**. The unauthorized use of alternate refrigerants will void your compressor warranty. It will be the owner's responsibility to make this fact known to any technician he employs.

It should also be noted that Taylor does not warrant the refrigerant used in its equipment. For example, if the refrigerant is lost during the course of ordinary service to this machine, Taylor has no obligation to either supply or provide its replacement either at billable or unbillable terms. Taylor does have the obligation to recommend a suitable replacement if the original refrigerant is banned, obsoleted, or no longer available during the five year warranty of the compressor.

Taylor will continue to monitor the industry and test new alternates as they are being developed. Should a new alternate prove, through our testing, that it would be accepted as a drop-in replacement, then the above disclaimer would become null and void. To find out the current status of an alternate refrigerant as it relates to your compressor warranty, call the local Taylor Distributor or the Taylor Factory. Be prepared to provide the Model/Serial Number of the unit in question.

Section 3 Safety

We at Taylor Company are concerned about the safety of the operator when he or she comes in contact with the freezer and its parts. Taylor has gone to extreme efforts to design and manufacture built–in safety features to protect both you and the service technician. As an example, warning labels have been attached to the freezer to further point out safety precautions to the operator.

IMPORTANT – Failure to adhere to the following safety precautions may result in severe personal injury or death. Failure to comply with these warnings may damage the machine and its components. Component damage will result in part replacement expense and service repair expense.

DO NOT operate the freezer without reading this Operator Manual. Failure to follow this instruction may result in equipment damage, poor freezer performance, health hazards, or personal injury.

This appliance is to be used only by trained personnel. It is not intended for use by children or people with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless given supervision or instruction concerning the use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

This unit is provided with an equipotential grounding lug that is to be properly attached to the rear of the frame by the authorized installer. The installation location is marked by the equipotential bonding symbol (5021 of IEC 60417-1) on both the removable panel and the equipments frame.

DO NOT use a water jet to clean or rinse the freezer. Failure to follow these instructions may result in serious electrical shock.

- **DO NOT** operate the freezer unless it is properly grounded.
- **DO NOT** operate the freezer with larger fuses than specified on the data label.
- All repairs must be performed by an authorized Taylor service technician.
- The main power supplies to the machine must be disconnected prior to performing any repairs.
- Cord Connected Units: Only Taylor authorized service technicians may install a plug on this unit.
- Stationary appliances which are not equipped with a power cord and a plug or another device to disconnect the appliance from the power source must have an all-pole disconnecting device with a contact gap of at least 3 mm installed in the external installation.
- Appliances that are permanently connected to fixed wiring and for which leakage currents may exceed 10 mA, particularly when disconnected or not used for long periods, or during initial installation, shall have protective devices such as a GFI, to protect against the leakage of current, installed by the authorized personnel to the local codes.
- Supply cords used with this unit shall be oil-resistant, sheathed flexible cable not lighter than ordinary polychloroprene or other equivalent synthetic elastomer-sheathed cord (Code designation 60245 IEC 57) installed with the proper cord anchorage to relieve conductors from strain, including twisting, at the terminals and protect the insulation of the conductors from abrasion.

  If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified person, in order to avoid a hazard.

Failure to follow these instructions may result in electrocution. Contact your local authorized Taylor Distributor for service.

- **DO NOT** allow untrained personnel to operate this machine.
- **DO NOT** operate the freezer unless all service panels and access doors are restrained with screws.
- **DO NOT** remove any internal operating parts (examples: freezer door, beater, scraper blades, etc.) unless all control switches are in the OFF position.

Failure to follow these instructions may result in severe personal injury to fingers or hands from hazardous moving parts.

This unit has many sharp edges that can cause severe injuries.

- **DO NOT** put objects or fingers in the door spout. This may contaminate the product and cause severe personal injury from blade contact.
- **USE EXTREME CAUTION** when removing the beater asssembly. The scraper blades are very sharp.

Access to the service area of the unit is restricted to persons having knowledge and practical experience with the appliance, in particular as far as safety and hygiene are concerned.

This freezer must be placed on a level surface. Failure to comply may result in personal injury or equipment damage.

Cleaning and sanitizing schedules are governed by your state or local regulatory agencies and must be followed accordingly. Please refer to the cleaning section of this manual for the proper procedure to clean this unit.

This machine is designed to maintain product temperature under 41°F (5°C). Any product being added to this machine must be below 41°F (5°C). Failure to follow this instruction may result in health hazards and poor freezer performance.

DO NOT obstruct air intake and discharge openings: 3” (76 mm) minimum air space on sides and rear, and 7-1/2” (191 mm) on the bottom. The Model 338 requires 4-1/4” (108 mm) on the bottom.

Failure to follow this instruction may cause poor freezer performance and damage to the machine.

For Indoor Use Only: This unit is designed to operate indoors, under normal ambient temperatures of 70° - 75°F (21° - 24°C). The freezer has successfully performed in high ambient temperatures of 104°(40°C) at reduced capacities.

DO NOT run the machine without product. Failure to follow this instruction can result in damage to the machine.

NOISE LEVEL: Airborne noise emission does not exceed 78 dB(A) when measured at a distance of 1.0 meter from the surface of the machine and at a height of 1.6 meters from the floor.

Section 4 Operator Parts Identification

Model 336

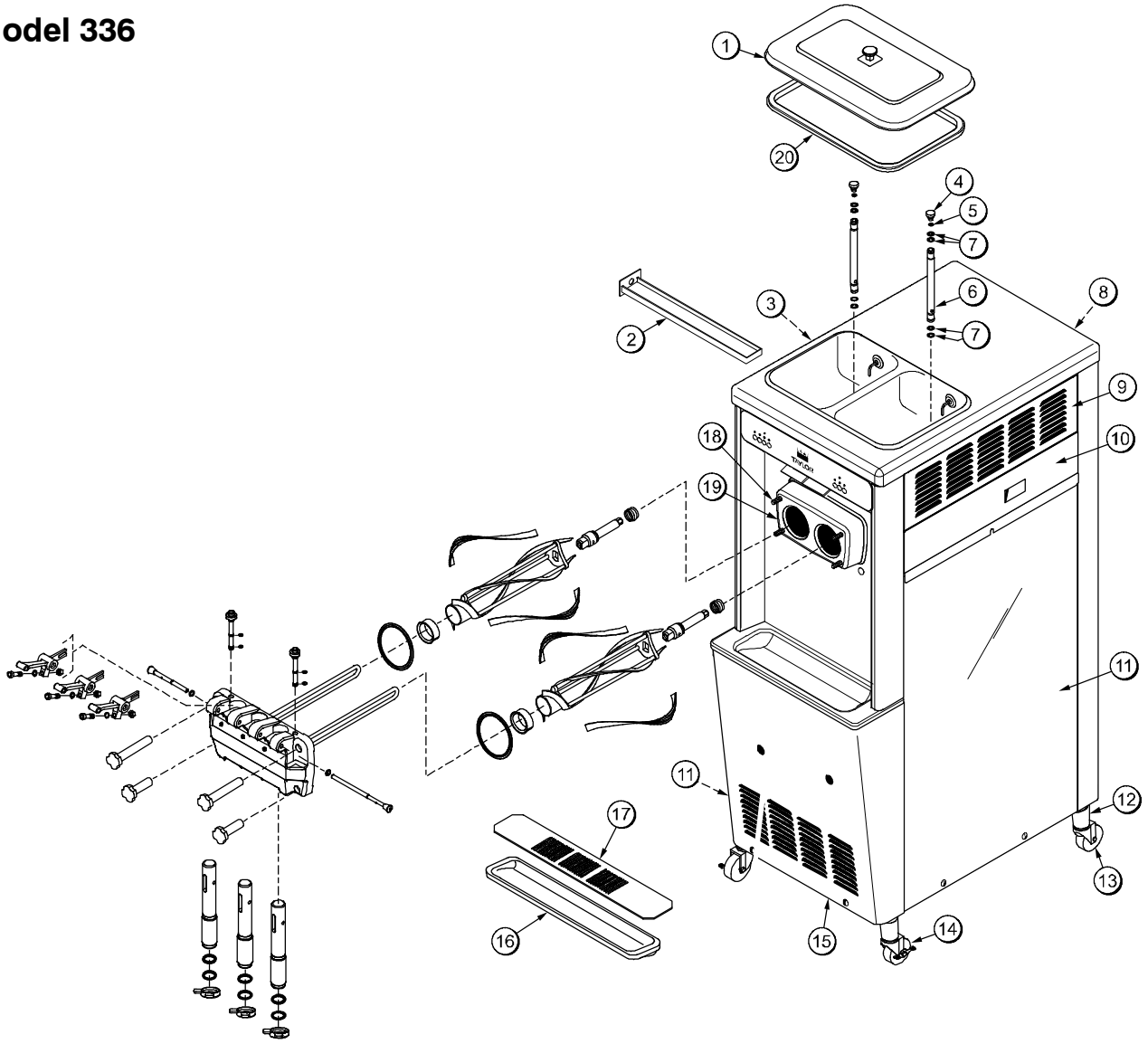


Figure 1

Item	Description	Part No.
1	Cover A.-Hopper	X37963-SER
2	Pan-Drip 17-1/4" Long	027504
3	Panel-Upper Side Left	028740
4	Orifice	022465-100
5	O-Ring 3/8 OD x .070 W	016137
6	Tube-Feed 5/32 Dia. Hole	043461-2
7	O-Ring .563 OD x .070	043758
8	Panel-Rear	029816
9	Louver-Side Top	051191
10	Panel-Upper Side Right	028741

Item	Description	Part No.
11	Panel A.-Lower Side (R & L)	X24424
12	Adaptor A.-Caster	X18915
13	Caster-Swivel 5/8 Stem 4" Wheel	018794
14	Caster-4" Swv 5/8 Stem w/Brake	034081
15	Panel-Service *336*	042824
16	Tray-Drip 16-7/8 L x 5-1/8	020157
17	Shield-Splash	022765
18	Stud-Nose	022822
19	Panel A.-Front	X42821-SP1
20	Gasket-Hopper Cover-8 Qt.	037042

Model 338

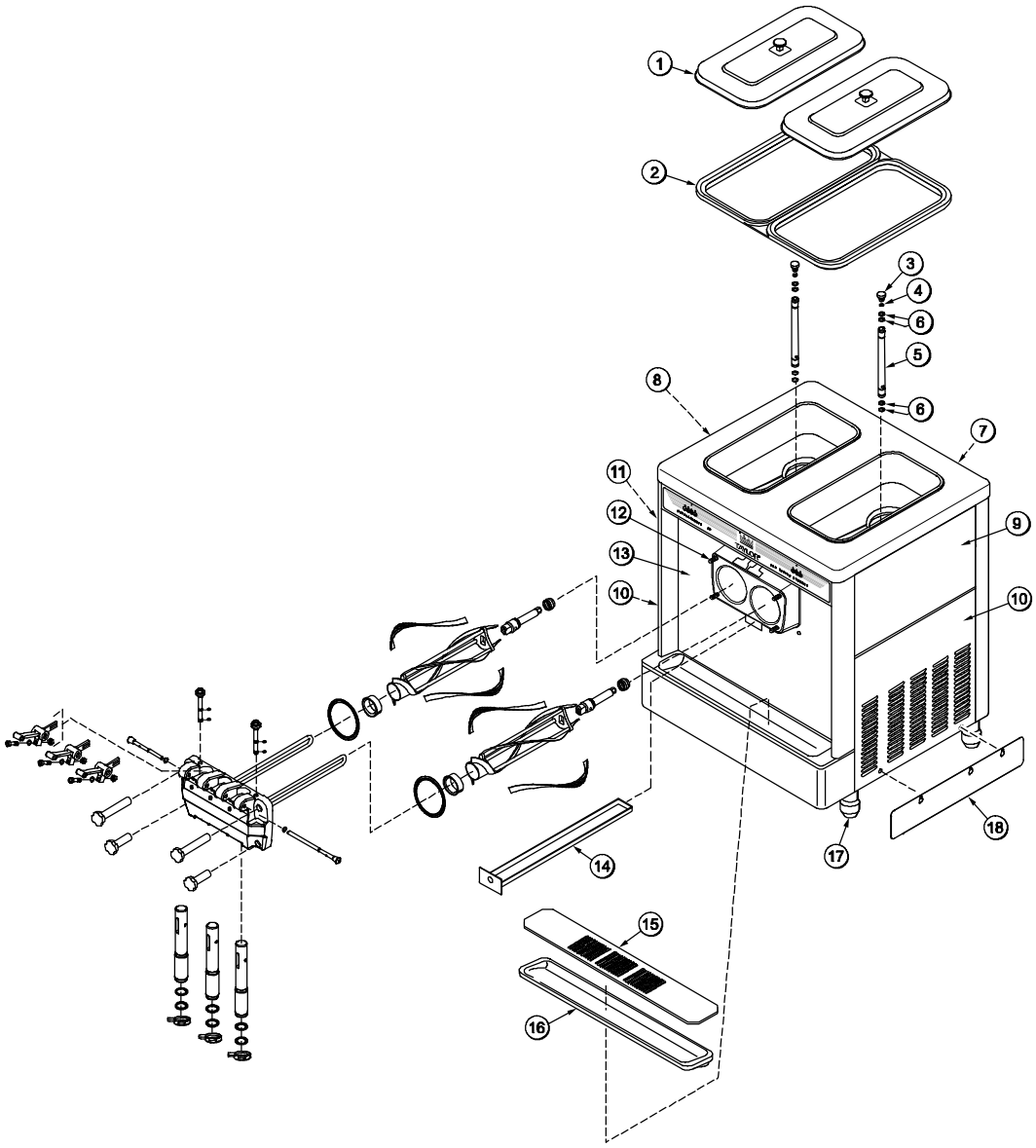


Figure 2

Item	Description	Part No.
1	Cover A.-Hopper-Standard	X38458-SER
2	Gasket-Hopper Cover 20 Qt.	038474
3	Orifice	022465-100
4	O-Ring 3/8 OD x .070 W	016137
5	Tube A.-Feed SS 5/32 Hole	X29429-2
6	O-Ring .643 OD x .077 W	018572
7	Panel-Rear	051600
8	Louver-Side Top	051191
9	Panel A.-Side Upper Right	X48596

Item	Description	Part No.
10	Panel-Side (Lower Right)	048487
11	Panel A.-Side Left	X51596-SER
12	Stud-Nose Cone	022822
13	Panel A.-Front	X51590
14	Pan A.-Drip-15-1/8 Long	X51601
15	Shield-Splash 23 Long	022766
16	Tray-Drip 22-7/8 L x 5-1/8 W	014533
17	Leg-4" SS w/O-Ring	013458
18	Skirt-Air Flow	048489

Model 339

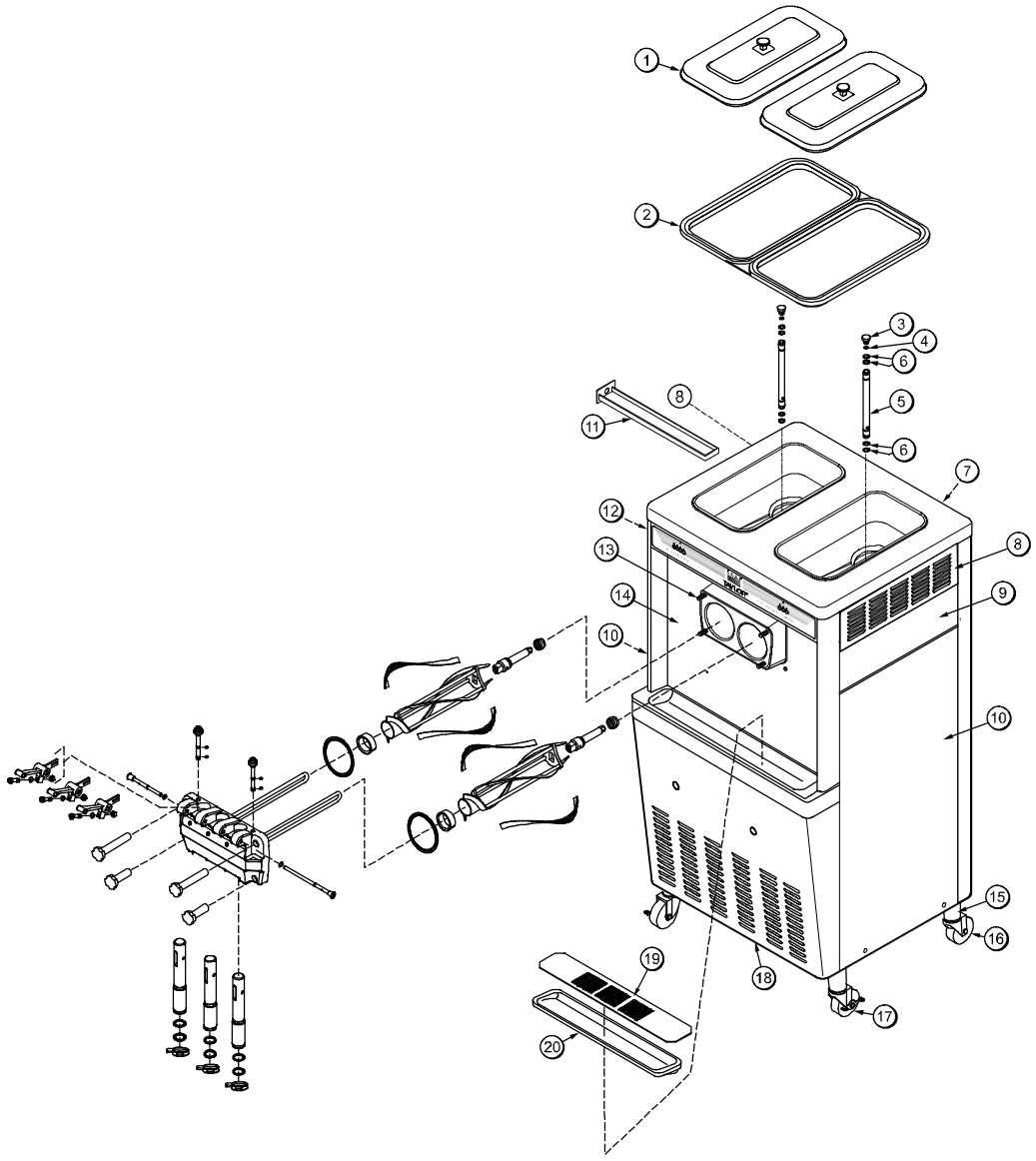


Figure 3

Item	Description	Part No.
1	Cover A.-Hopper-Standard	X38458-SER
2	Gasket-Hopper Cover 20 Qt.	038474
3	Orifice	022465-100
4	O-Ring 3/8 OD x .070 W	016137
5	Tube A.-Feed SS 5/32 Hole	X29429-2
6	O-Ring .643 OD x . 077 W	018572
7	Panel-Rear	053782
8	Louver-Side Top	051191
9	Panel-Upper Side Right	028741
10	Panel A.-Lower Side (R & L)	X24424

Item	Description	Part No.
11	Pan-Drip 17-1/4" Long	027504
12	Panel-Upper Side Left	028740
13	Stud-Nose Cone	022822
14	Panel A.-Front	X32956
15	Adaptor A.-Caster	X18915
16	Caster-Swivel 5/8 Stem 4"	018794
17	Caster-4" Swv 5/8 Stem w/Brake	034081
18	Panel-Service	024439
19	Shield-Splash 23 L	022766
20	Tray-Drip 22-7/8 L x 5-1/8 W	014533

Three Spout Door

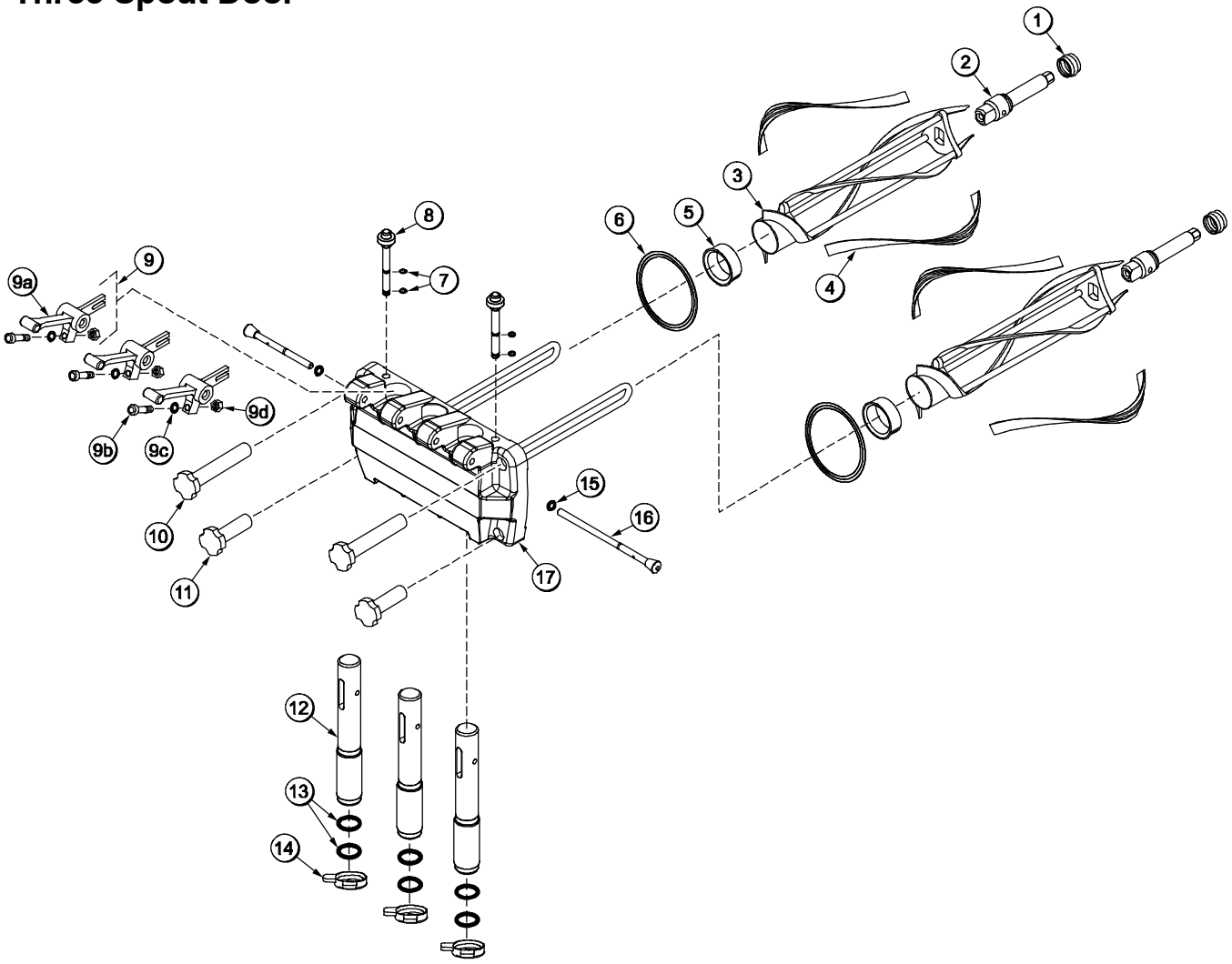


Figure 4

Item	Description	Part No.
1	Seal-Drive Shaft	032560
2	Shaft-Beater	033235
3	Beater A.-2.8 Qt. Helicore	X35466
4	Blade-Scraper-Plastic	035480
5	Bearing-Front	050216
6	Gasket-Door HT 4" Double	048926
7	O-Ring 3/8 OD x .070 W	016137
8	Plug-Prime	028805
9	Handle A.-Draw-Adjustable	X55096
9a	Handle-Adjustable	028804
9b	Screw-Adjustment-Stainless	055092

Item	Description	Part No.
9c	O-Ring 1/4 OD x .070 W	015872
9d	Nut-5/16-24 18-8 SS Jam	029639-BLK
10	Nut-Stud Long	034382
11	Nut-Stud Short	034383
12	Valve A.-Draw	X18303
13	O-Ring 7/8 OD x .103 W	014402
14	Cap-Design 1.010" ID-6 Point	014218
15	O-Ring 5/16 OD x .070 W	016272
16	Rod A.-Pivot	X20683
17	Door A.-3 Spout	X51532-15

Accessories

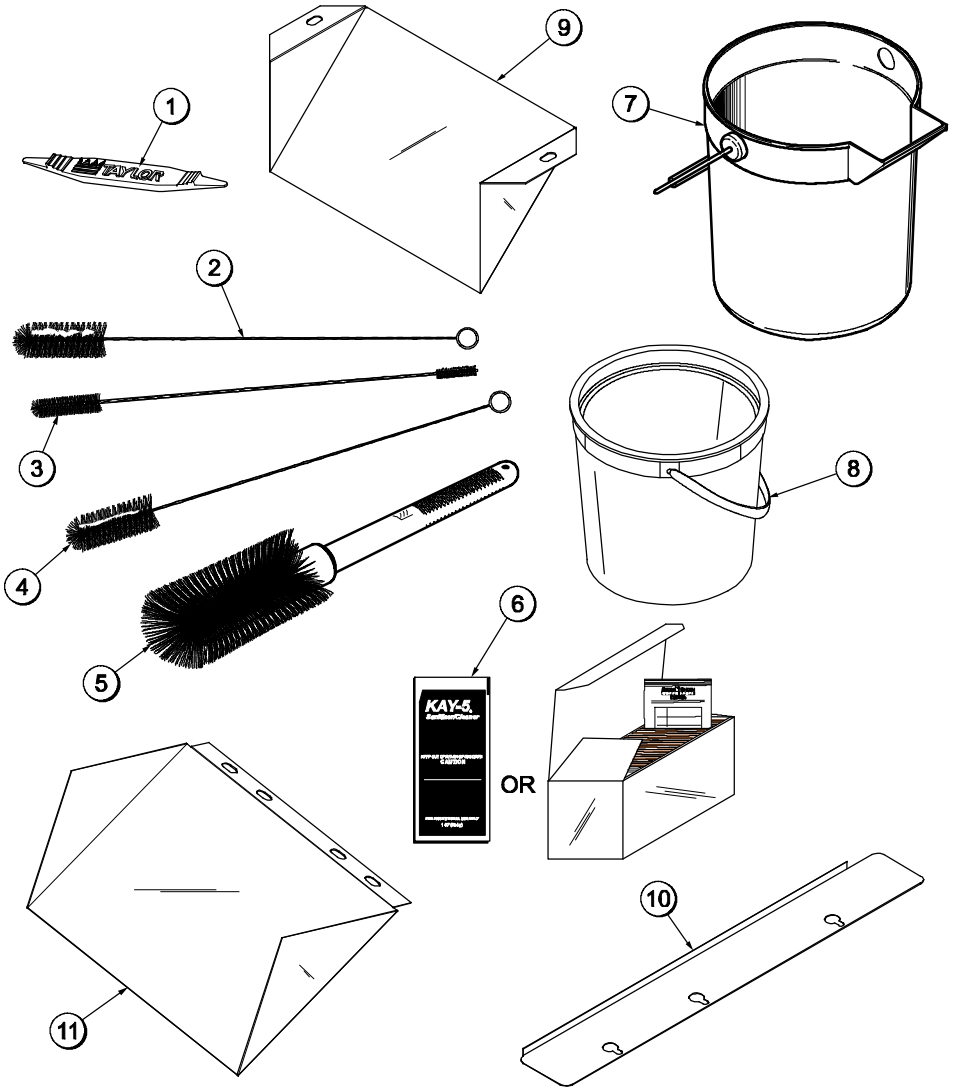


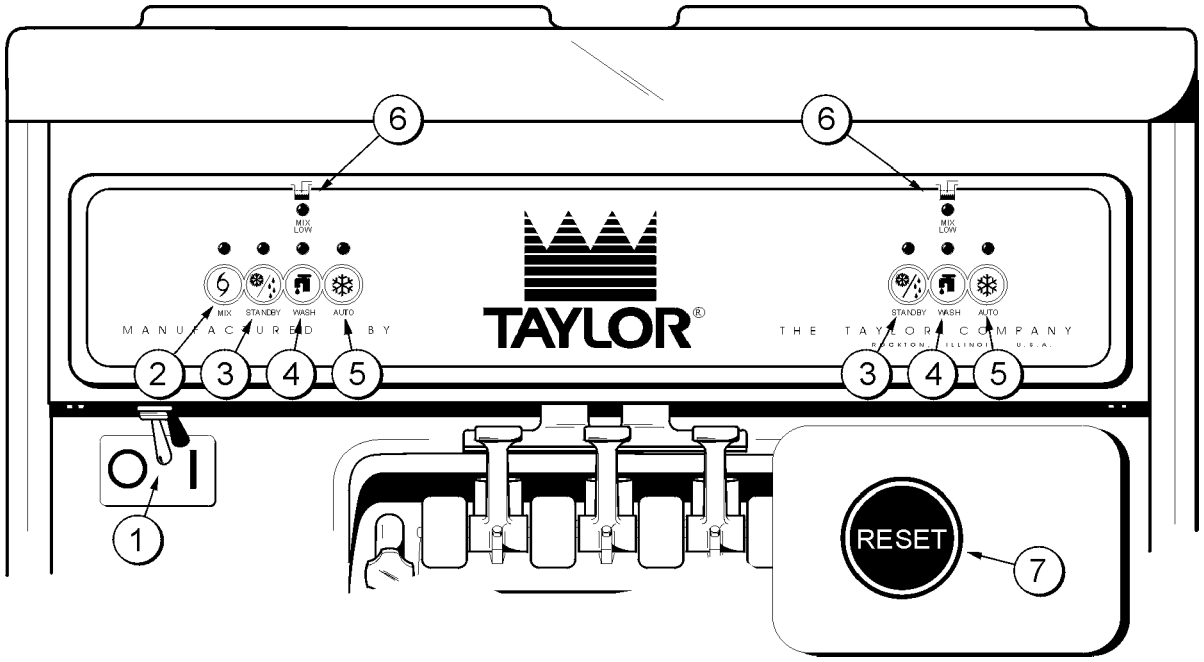
Figure 5

Item	Description	Part No.
1	Tool–O–Ring Removal	048260–WHT
2	Brush–Rear Bearing 1” D x 2”L	013071
3	Brush–Double Ended	013072
4	Brush–Draw Valve 1” x 2” x 17”	013073
5	Brush–Mix Pump Body 3” x 7” White	023316
*6	Sanitizer Kay–5 (200 Pkts)	041082
	Sanitizer–Stera Sheen (100 2 oz. Pkts)	055492

Item	Description	Part No.
7	Pail–Mix 10 Qt. (336 & 339)	013163
8	Pail–Mix 6 Qt. (338)	023348
9	Deflector–Blower Exhaust (339)	047912
10	Skirt–Air Flow (338)	048489
11	Deflector–Blower Exhaust–Side Discharge (336)	048345

*Item 6: A sample of Kay–5 or Stera Sheen is shipped with new equipment. Order additional sanitizer, using one of the part numbers listed.

Section 5 Important: To the Operator



Item	Description
1	Power Switch
2	Mix Refrigeration Button
3	Standby Button
4	Wash Button
5	Auto Button
6	Indicator Light “MIX LOW”
7	Reset Button

Symbol Definitions

The following chart identifies the symbol definitions used on the operator switches.

= ON

= OFF

= MIX

= WASH

= MIX LOW

= STANDBY

Power Switch

When placed in the “ON” position, the power switch allows SOFTECH® control panel operation.

Indicator Light – “Mix Low”

Located on the front of the machine is a mix level indicating light. When the light is flashing, it indicates that the mix hopper has a low supply of mix and should be refilled as soon as possible. Always maintain at least 3” (76 mm) of mix in the hopper. If you neglect to add mix, a freeze–up may occur. This will cause eventual damage to the beater, blades, drive shaft, and freezer door.

Mix Refrigeration Button

When the mix refrigeration button is pressed, the light comes on indicating the mix hopper refrigeration system is operating. The mix refrigeration is controlled by the left side of the freezer as viewed from the operator end. The mix refrigeration function cannot be cancelled unless the “AUTO” or “STANDBY” modes are cancelled first.

“Standby”

The Separate Hopper Refrigeration System (SHR) and the Cylinder Temperature Retention System (CTR) are standard features. The SHR feature incorporates the use of a separate small refrigeration system to maintain the mix in the hopper below 40°(4.4°C) to assure bacteria control. The CTR feature works with the SHR to maintain a good quality product. During long “No Sale” periods, it is necessary to warm the product in the freezing cylinder to approximately 35°F to 40°F (1.7°C to 4.4°C) to prevent overbeating and product breakdown.

To activate the SHR and CTR features, press the “STANDBY” button. Remove the air orifice and place the air tube (**end without the hole**) into the mix inlet hole.

When the “STANDBY” button is pressed, the light comes on, indicating the CTR (Cylinder Temperature Retention System) feature has been activated. In the “STANDBY” mode, the “WASH” and “AUTO” functions are automatically cancelled. The mix refrigeration function is automatically locked in to maintain the mix in the hopper.

To resume normal operation, press the “AUTO” button. When the unit cycles off, the product in the freezing cylinder will be at serving viscosity. At this time, place the air tube (**end with the hole**) into the mix inlet hole and install the air orifice.

“Wash”

When the “WASH” button is pressed, the light comes on. This indicates beater motor operation. The “STANDBY” or “AUTO” modes must be cancelled first to activate the “WASH” mode.

Note: The Model 336 cannot be operated in the “WASH” mode if the opposite side of the freezer is in “AUTO”. Failure to comply with this instruction will cause the rinse or sanitizing solution to freeze.

“Auto”

When the “AUTO” button is pressed, the light comes on. This indicates that the main refrigeration system has been activated. In the “AUTO” mode, the “WASH” or “STANDBY” functions are automatically cancelled. The mix refrigeration function is automatically locked in to maintain the mix in the mix hopper.

Note: An indicating light and an audible tone will sound whenever a mode of operation has been pressed. To cancel any function, press the button again. The light and mode of operation will shut off.

Reset Button

The reset button is located in the service panel. The reset protects the beater motor from an overload condition. If an overload occurs, the reset mechanism will trip. To properly reset the freezer, press the “AUTO” button to cancel the cycle. Place the power switch to the “OFF” position. Press the reset button firmly.

Note: Do not use metal objects to press the reset button. Failure to follow this instruction may result in electrocution.

Turn the power switch to the “ON” position. Press the “WASH” button and observe the freezer’s performance. Open the side access panel. Make sure the beater motor is turning the drive shaft in a clockwise direction (from the operator end) without binding.

If the beater motor is turning properly, press the “WASH” button to cancel the cycle. Press the “AUTO” button (on both sides of the unit) to resume normal operation. If the freezer shuts down again, contact a service technician

Air Tube

The air tube serves two purposes. One end of the tube has a hole and the other end does not.

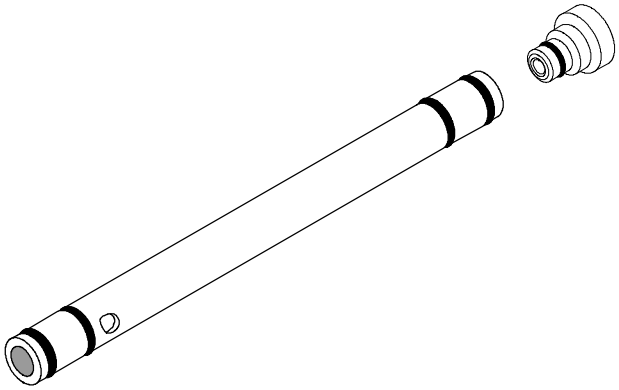


Figure 6

1. After priming the machine, lubricate the o–rings on the air tube (**the end with the hole**) and place it into the mix inlet hole. Every time the draw handle is raised, new mix and air from the hopper will flow down into the freezing cylinder. This will keep the freezing cylinder properly loaded and will maintain overrun.
2. During long “No Sale” periods, remove the air orifice. Lubricate the o–rings on the air tube (**the end without the hole**), and place it into the mix inlet hole. This will prevent any mix from entering the freezing cylinder.

   The air orifice is used to meter a certain amount of air into the freezing cylinder. The air orifice maintains overrun and allows enough mix to enter the freezing cylinder after a draw.

Adjustable Draw Handle

These units feature an adjustable draw handle to provide the best portion control. The draw handle should be adjusted to provide a flow rate of 5 to 7–1/2 oz. of product per 10 seconds. To INCREASE the flow rate, turn the screw COUNTERCLOCKWISE. Turn the screw CLOCKWISE to DECREASE the flow rate. During “Sanitizing” and “Rinsing”, the flow rate can be increased by removing the pivot pin and placing the restrictive bar on the TOP. When drawing product, **always** place the restrictive bar on the bottom.

IMPORTANT! When dispensing product, pull only one draw handle at a time.

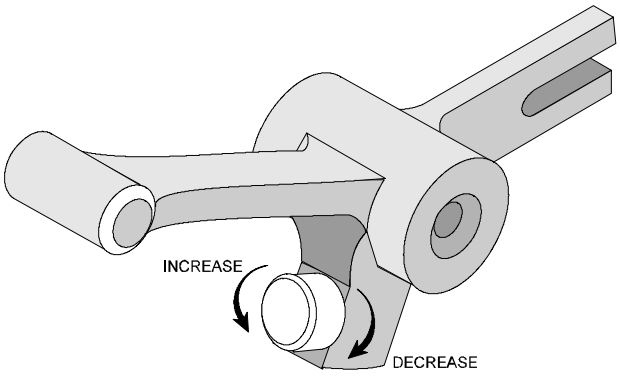


Figure 7

Section 6 Operating Procedures

Each unit stores mix in a hopper. The mix then flows by **gravity** through an air tube down into the freezing cylinder. They all have 2.8 quart (2.6 liter) capacity freezing cylinders. All models have 20 quart (18.9 liter) mix hoppers.

Duplicate the following procedures, where they apply, for the second freezing cylinder.

We begin our instructions at the point where we enter the store in the morning and find the parts disassembled and laid out to air dry from the previous night's cleaning.

These opening procedures will show you how to assemble these parts into the freezer, sanitize them, and prime the freezer with fresh mix in preparation to serve your first portion.

If you are disassembling the machine for the first time or need information to get to this starting point in our instructions, turn to page 23, "Disassembly", and start there.

Assembly

Note: When lubricating parts, use an approved food grade lubricant (example: Taylor Lube).

MAKE SURE THE CONTROL SWITCH IS IN THE "OFF" POSITION.

Step 1
Install the drive shaft. Lubricate the groove and shaft portion that comes in contact with the bearing on the beater drive shaft. Slide the seal over the shaft and groove until it snaps into place.

DO NOT lubricate the hex end of the drive shaft. Fill the inside portion of the seal with 1/4" more lubricant and lubricate the flat side of the seal that fits onto the rear shell bearing.

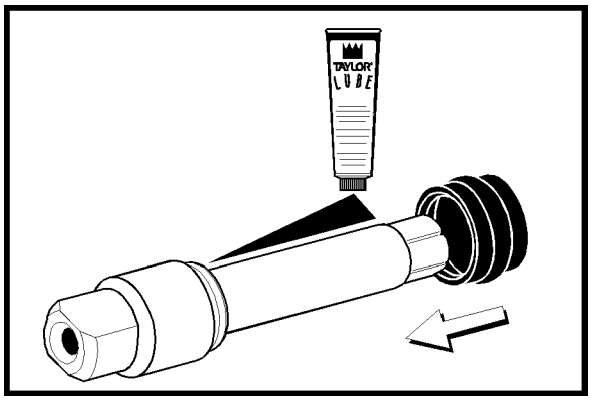


Figure 8

Insert the drive shaft into the freezing cylinder, hex end first, and into the rear shell bearing until the seal fits securely over the rear shell bearing. Engage the hex end firmly into the drive coupling. Be sure the drive shaft fits into the drive coupling without binding.

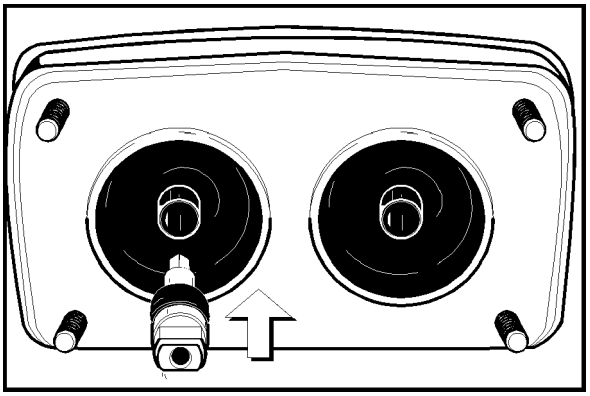


Figure 9

Step 2
Take one of the scraper blades and slip it under the hook at the front of the beater. Wrap the blade around the beater following the helix and pushing the blade down onto the helix as you wrap. At the back end of the beater, slip the blade under the hook. **Repeat this step** for the second scraper blade.

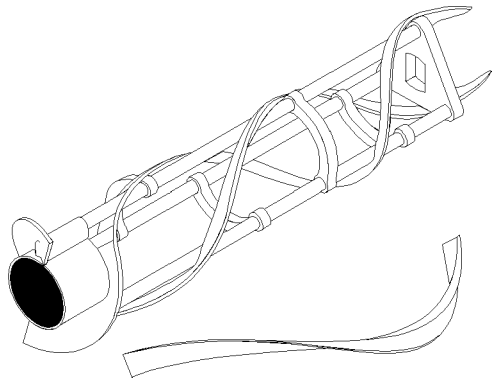


Figure 10

Holding the beater securely, slide the beater one third of the way into the freezing cylinder. Looking into the freezing cylinder, align the hole at the rear of the beater with the flats on the end of the drive shaft.

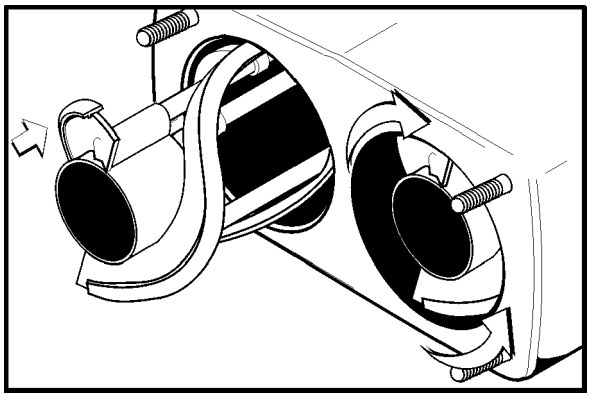


Figure 11

Slide the beater the remainder of the way into the freezing cylinder and over the end of the drive shaft. The beater should fit snugly, but not so tightly that the beater cannot be turned slightly to engage the drive shaft. If the beater slides in too easily with little or no resistance, there will not be enough force against the beater to hold the blades in place. If this is the case, contact your authorized Taylor service agent.

Repeat Steps 1 and 2 for the other side of the freezer.

Step 3
Assemble the freezer door. Place the large rubber gaskets into the grooves on the back side of the freezer door.

Slide the white plastic front bearings over the baffle rods onto the bearing hubs making certain that the flanged end of the bearing is resting against the freezer door.

DO NOT LUBRICATE THE GASKETS OR THE FRONT BEARINGS. Damage to components may occur.

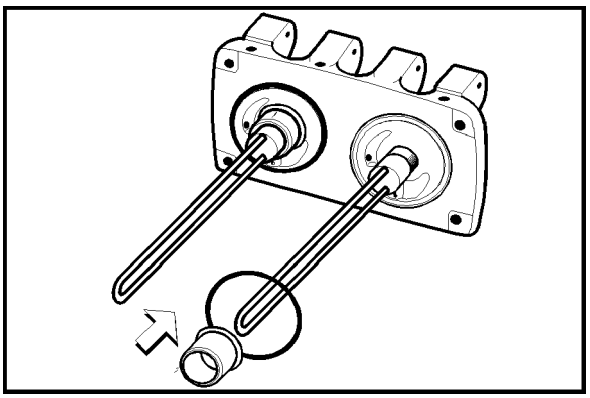


Figure 12

Slide the two o-rings into the grooves on the prime plugs. Apply an even coat of Taylor Lube to the o-rings and shafts.

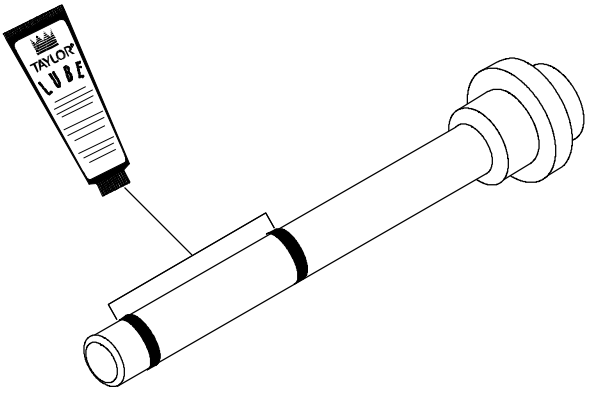


Figure 13

Insert the prime plugs into the holes in the top of the freezer door, and push down.

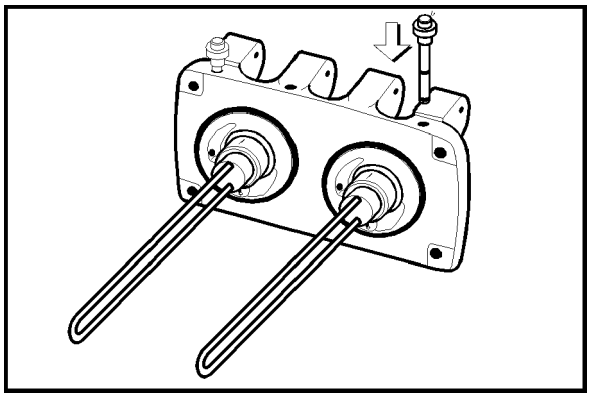


Figure 14

Step 4
Install the freezer door. Insert the baffle rods through the opening in the beaters and seat the door flush with the freezing cylinder. With the door seated on the freezer studs, install the handscrews. Tighten equally in a crisscross pattern to insure the door is snug.

Note: The short handscrews go on the bottom and the long handscrews go on top.

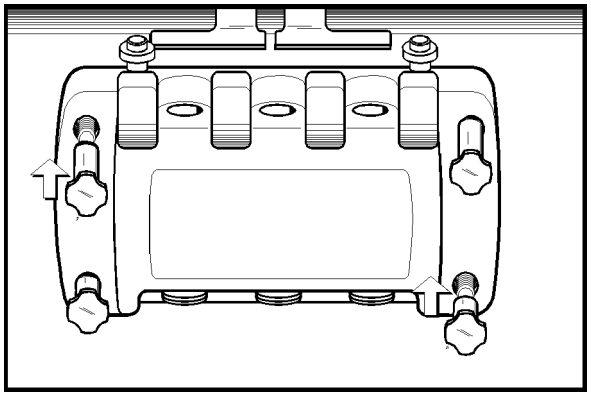


Figure 15

Step 5
Install the three draw valves. Slide the two o-rings into the grooves on the draw valves, and lubricate.

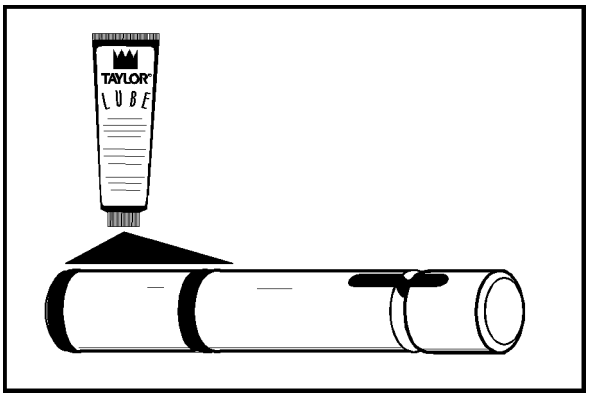


Figure 16

Lubricate the inside of the freezer door spouts, top and bottom, and insert the draw valves from the **bottom** until the slot in the draw valves comes into view.

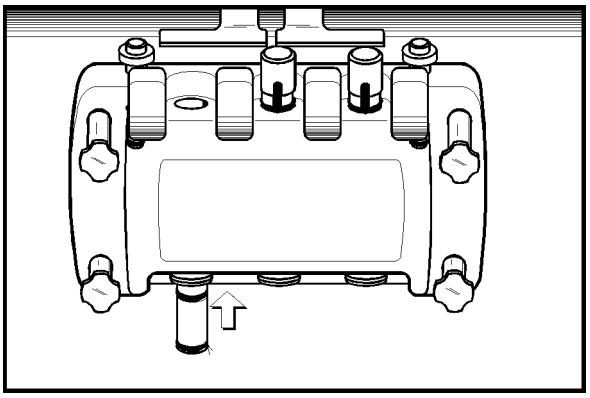


Figure 17

Step 6
Install the adjustable draw handles. Slide the o-ring into the groove on the pivot pin, and lubricate.

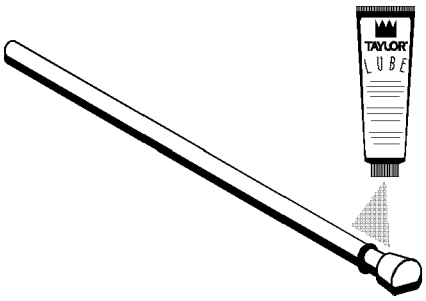


Figure 18

Slide the fork over the bar in the slot of the draw valve. Secure with pivot pin.

Note: The Models 336, 338 and 339 have three draw handles. Slide the fork of the draw handle in the slot of the draw valve, starting from the right. Slide the pivot pin through each draw handle as you insert them into the draw valves.

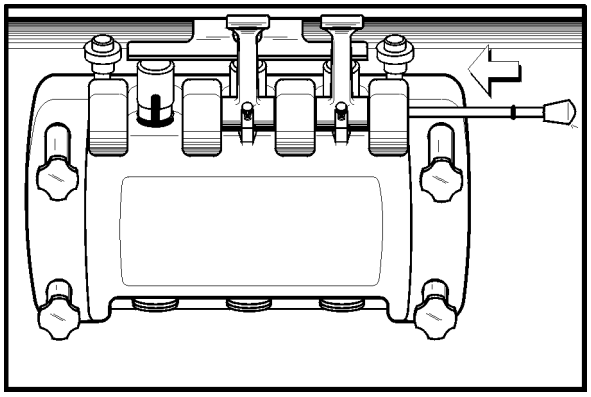


Figure 19

Note: These units feature adjustable draw handles to provide the best portion control. The draw handles can be adjusted for different flow rates. See page 14 for more information on adjusting these handles.

Step 7
Snap the design caps over the end of the door spouts.

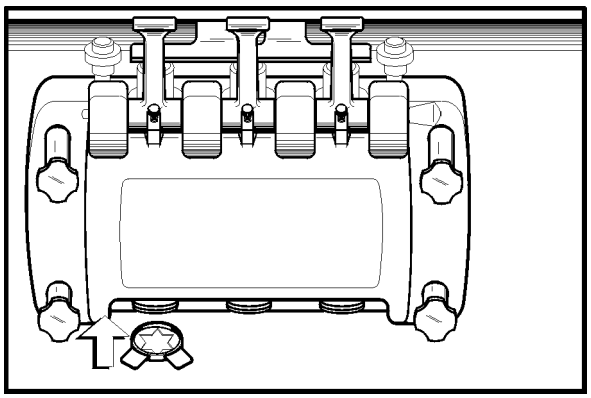


Figure 20

Step 8
Install the front drip tray and the splash shield under the door spouts.

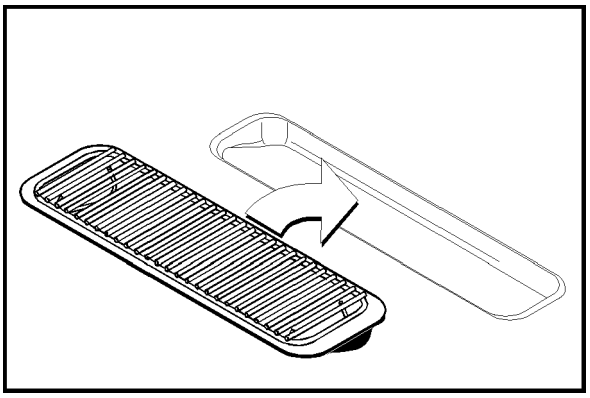


Figure 21

Step 9
Slide the rear drip pan into the hole in the side panel (front panel on a Model 338).

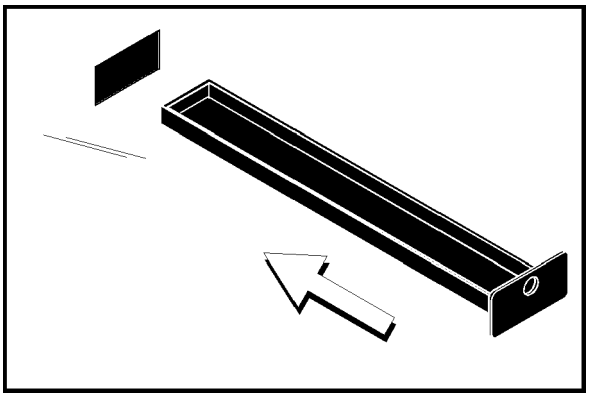


Figure 22

Step 10
Slide two o-rings on one end of the air tube. Slide two o-rings on the other end of the air tube.

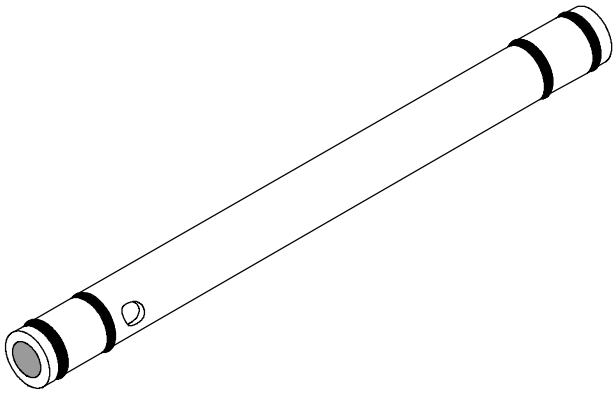


Figure 23

Slide the small o-ring into the groove of the air orifice. Do not lubricate the o-ring.

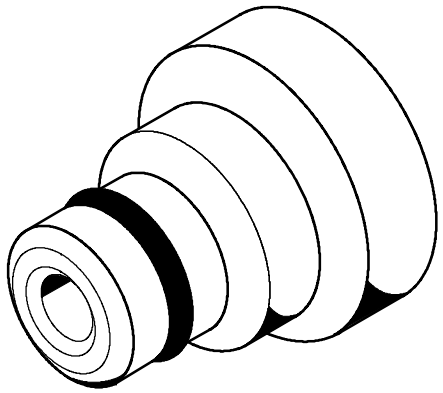


Figure 24

Note: Make sure the hole in the air orifice is clean and is not clogged. If the hole in the air orifice should become clogged, use soap and hot water to clear the hole.

Do not enlarge the hole in the air orifice.

Install the air orifice into the hole in the top of the air tube (in the end without the small hole on the side).

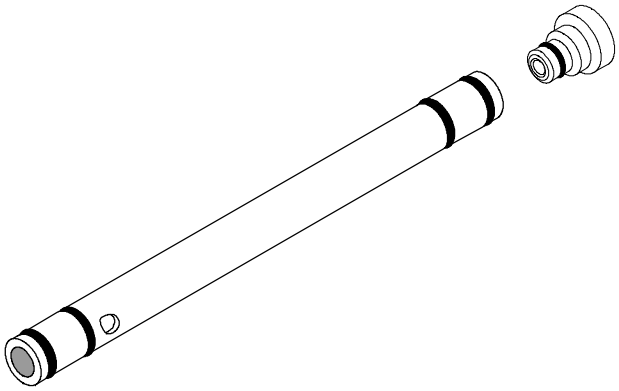


Figure 25

Step 11
Lay the air tube (with the air orifice installed) and the hopper gasket in the bottom of the mix hopper for sanitizing.

Repeat Steps 10 and 11 for the other side of the freezer.

Sanitizing

Step 1
Prepare a pail of approved 100 PPM sanitizing solution (examples: 2-1/2 gal. [9.5 liters] of Kay-5® or 2 gal. [7.6 liters] of Stera-Sheen®). USE WARM WATER AND FOLLOW THE MANUFACTURER'S SPECIFICATIONS.

Step 2
Pour the sanitizing solution into the hopper and allow it to flow into the freezing cylinder.

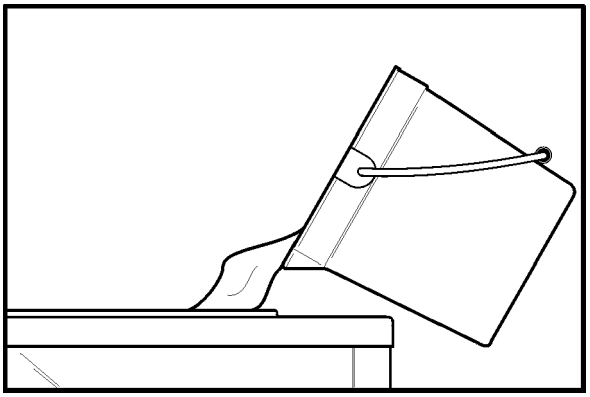


Figure 26

Step 3
While the solution is flowing into the freezing cylinder, brush clean the mix hopper. When cleaning the hopper, take particular care in brushing the mix level sensing probe on the rear wall of the hopper, the mix inlet hole, the air tube, and the hopper gasket.

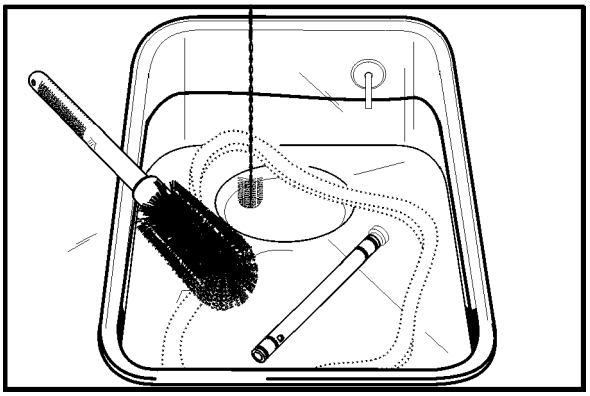


Figure 27

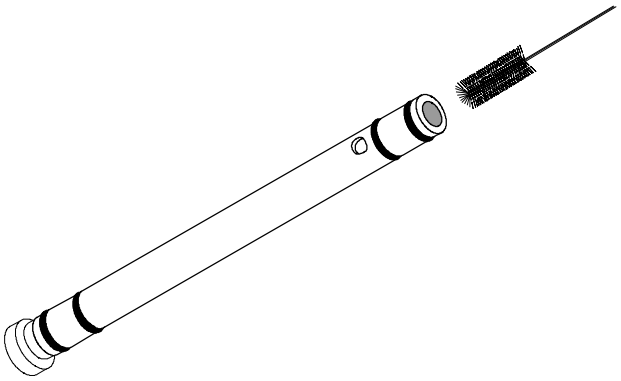


Figure 28

Step 4
Place the power switch in the “ON” position.

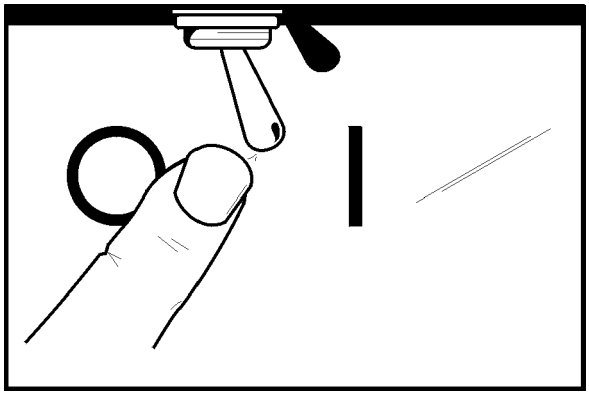


Figure 29

Step 5
Press the “WASH” button. This will cause the sanitizing solution in the freezing cylinder to agitate. Allow it to agitate for five minutes.

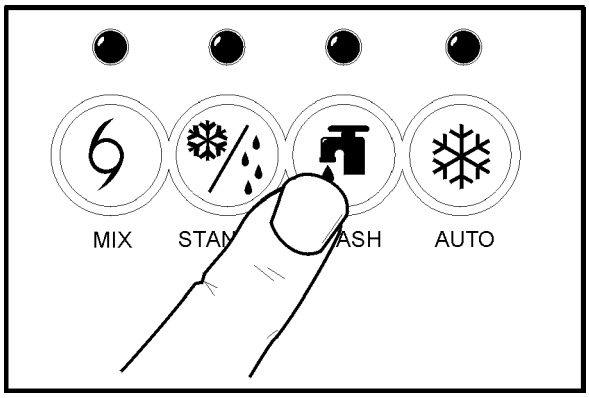


Figure 30

Step 6
Place an empty pail beneath the door spout and raise the prime plug.

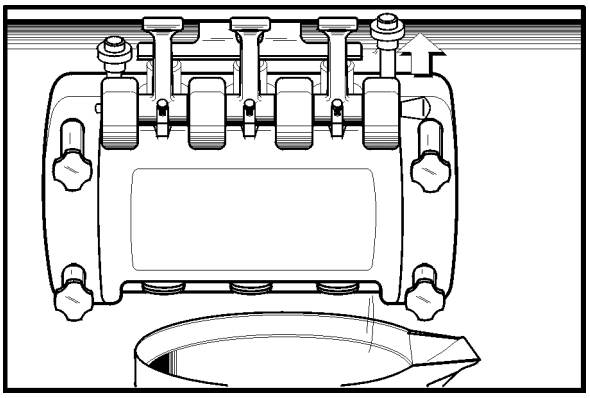


Figure 31

Step 7
When a **steady** stream of sanitizing solution is flowing from the prime plug opening in the bottom of the freezer door, lower the draw handle. Draw off all the sanitizing solution.

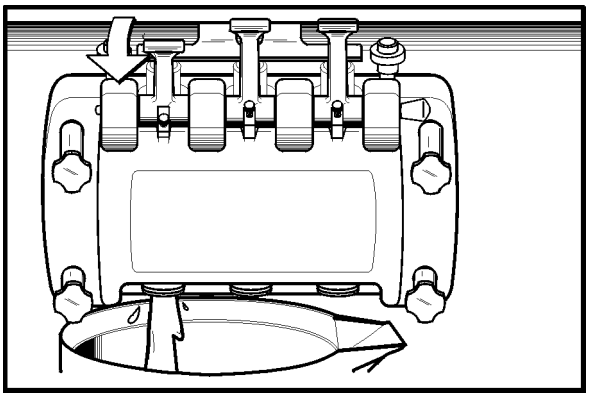


Figure 32

Note: Momentarily pull the center draw handle down to sanitize the center door spout.

Step 8
Once the sanitizer stops flowing from the door spout, raise the draw handle and press the “WASH” button, cancelling the beater motor operation.

Note: You have just sanitized the freezer. **Be sure your hands are sanitized** before continuing these instructions.

Step 9
Assemble the hopper gasket around the top edge of the mix hopper. Stand the air tube in the corner of the hopper.

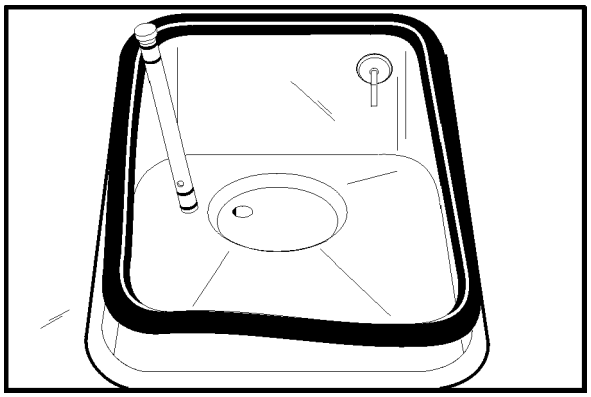


Figure 33

Repeat Steps 1 through 9 for the other side of the freezer.

Priming

Step 1
With a pail beneath the door spout, lower the draw handle. Be sure the prime plug is still in the UP position. Pour two gallons (7.6 liters) of fresh mix into the mix hopper and allow it to flow into the freezing cylinder. This will force out any remaining sanitizing solution. When full strength mix is flowing from the door spout, raise the draw handle.

Note: Use only **fresh** mix when priming the freezing cylinder.

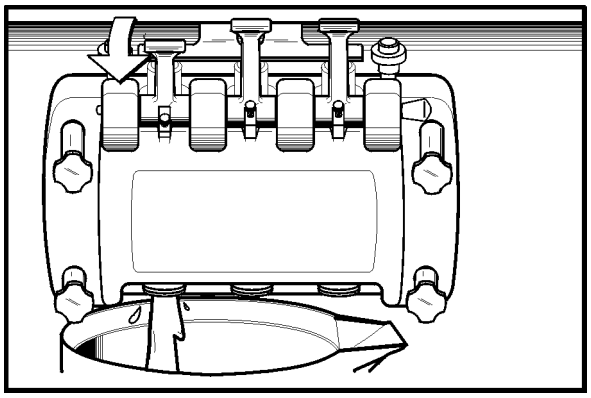


Figure 34

Step 2
Once a **steady** stream of mix starts to flow from the prime plug opening in the bottom of the freezer door, push down the prime plug.

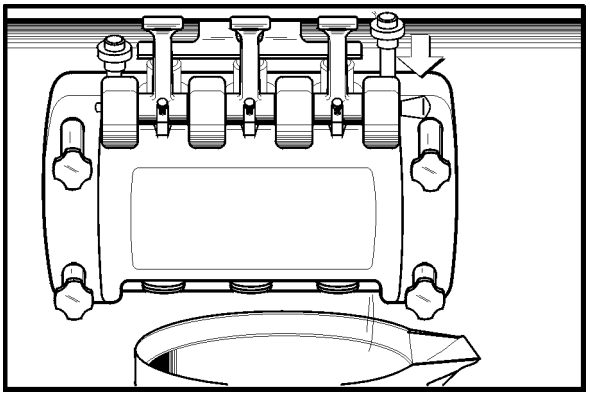


Figure 35

Step 3
Lubricate the o-rings on the air tube on the end with the small hole on the side.

Step 4
Install the air tube in the “AUTO” position.

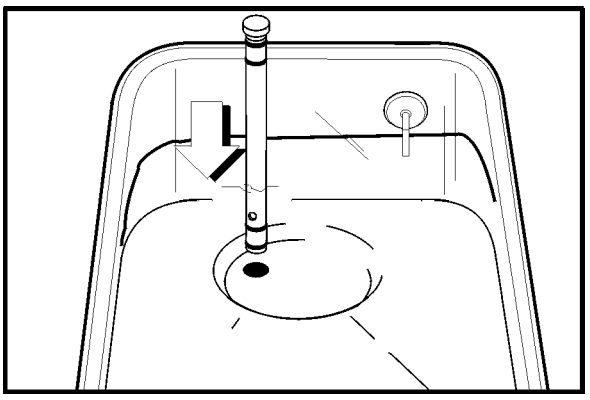


Figure 36

Step 5
Press the “AUTO” button. The “AUTO” light will come on indicating the main refrigeration system is operating. When the unit cycles off, the product will be at serving viscosity.

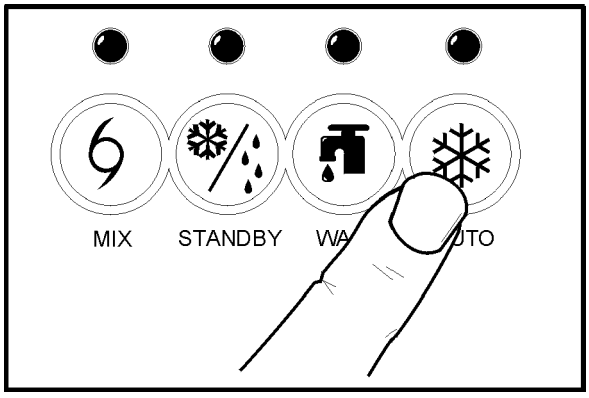


Figure 37

Note: The mix refrigeration light will come on, indicating the mix refrigeration system is operating to maintain the mix in the mix hopper.

Step 6
Fill the hopper with mix. As the mix level comes in contact with the mix level sensing probe on the rear wall of the hopper, the “MIX LOW” light will shut off.

Step 7
Place the mix hopper cover in position over the mix hopper.

Repeat Steps 1 through 7 for the other side of the freezer.

Closing Procedure

To disassemble your unit, the following items will be needed:

- Two cleaning pails
- Sanitized stainless steel rerun can with lid
- Necessary brushes (provided with freezer)
- Cleaner
- Single service towels

Draining Product From the Freezing Cylinder

Step 1
Press the “AUTO” button, cancelling compressor and beater motor operation.

Press the mix refrigeration button, cancelling the mix hopper refrigeration system.

Step 2
Remove the hopper cover, hopper gasket and air tube. Take these parts to the sink for cleaning.

Step 3
If local health codes permit the use of rerun, place a sanitized, NSF approved stainless steel rerun container beneath the door spout. Press the WASH key and lower the draw handle. Drain the remaining product from the freezing cylinder and mix hopper. When the flow of product stops, press the WASH key and raise the draw handle. Place the sanitized lid on the rerun container and place it in the walk-in cooler.

Note: If local health codes DO NOT permit the use of rerun, the product must be discarded. Drain the product into a mix pail and properly discard it.

Repeat Steps 1 through 3 for the other side of the freezer.

Note: For the Model 336, both sides must be in WASH. If one side is in AUTO and the other is in WASH, the side that is in WASH will continue to freeze.

ALWAYS FOLLOW LOCAL HEALTH CODES.

Rinsing

Step 1
Pour two gallons (7.6 liters) of **cool** clean water into the mix hopper. With the brushes provided, scrub the mix hopper, mix inlet hole and mix level sensing probe.

Step 2
With a pail beneath the door spout, raise the prime plug and press the “WASH” button.

Step 3
When a steady stream of rinse water is flowing from the prime plug opening in the bottom of the freezer door, lower the draw handle. Drain all the rinse water from the freezing cylinder, raise the draw handle and press the “WASH” button, cancelling the “WASH” mode.

Repeat Steps 1 through 3 for the other side of the freezer.

Cleaning

Step 1
Prepare a pail of approved 100 PPM cleaning solution (examples: 2–1/2 gal. [9.5 liters] of Kay–5® or 2 gal. [7.6 liters] of Stera–Sheen®). USE WARM WATER AND FOLLOW THE MANUFACTURER'S SPECIFICATIONS.

Step 2
Push down the prime plug. Pour the cleaning solution into the mix hopper.

Step 3
While the solution is flowing into the freezing cylinder, brush clean the mix hopper, mix level sensing probe, and the mix inlet hole.

Step 4
Press the "WASH" button. This will cause the cleaning solution in the freezing cylinder to agitate.

Step 5
Place an empty pail beneath the door spout and raise the prime plug.

Step 6
When a steady stream of cleaning solution is flowing from the prime plug opening in the bottom of the freezer door, lower the draw handle. Draw off all of the solution.

Step 7
Once the cleaner stops flowing from the door spout, raise the draw handle and press the "WASH" button, cancelling the "WASH" mode.

Repeat Steps 1 through 7 for the other side of the freezer.

Disassembly

Step 1

BE SURE THE POWER SWITCH IS IN THE "OFF" POSITION. MAKE SURE NO LIGHTS ARE LIT ON THE CONTROL PANEL.

Step 2
Remove the handscrews, freezer door, beaters, scraper blades, and drive shafts from the freezing cylinders. Take these parts to the sink for cleaning.

Step 3
Remove the front drip tray and the splash shield.

Brush Cleaning

Step 1
Prepare a sink with an approved cleaning solution (examples: Kay–5® or Stera–Sheen®). USE WARM WATER AND FOLLOW THE MANUFACTURER'S SPECIFICATIONS. If another approved cleaner is used, dilute it according to the label instructions. (**IMPORTANT**: Follow the label directions. Too STRONG of a solution can cause parts damage, while too MILD of a solution will not provide adequate cleaning.) Make sure all brushes provided with the freezer are available for brush cleaning.

Step 2
Remove the seals from the drive shafts.

Step 3
From the freezer door remove:

- gaskets
- front bearings
- pivot pins
- adjustable draw handles
- design caps
- draw valves
- prime plugs

Remove all o–rings.

Note: To remove o–rings, use a single service towel to grasp the o–ring. Apply pressure in an upward direction until the o–ring pops out of its groove. With the other hand, push the top of the o–ring forward and it will roll out of the groove and can be easily removed. If there is more than one o–ring to be removed, always remove the rear o–ring first. This will allow the o–ring to slide over the forward rings without falling into the open grooves.

Step 4
Remove the o-rings from the air tubes and air orifices.

Step 5
Return to the freezer with a small amount of cleaning solution. Brush clean the rear shell bearings at the back of the freezing cylinders with the black bristle brush.

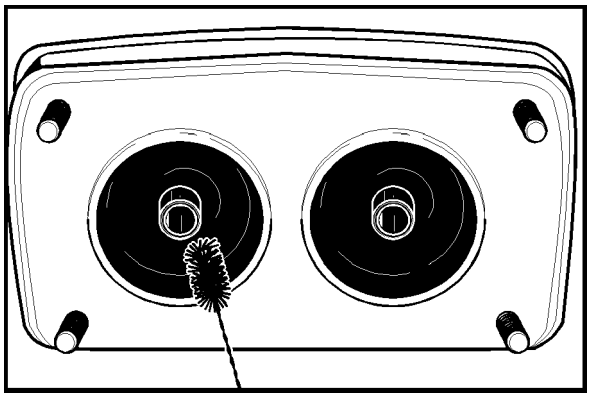


Figure 38

Step 6
Remove the rear drip pan and take it to the sink for cleaning.

Note: If the drip pan is filled with an excessive amount of mix, refer to the Troubleshooting Guide.

Step 7
Thoroughly brush clean all disassembled parts in the cleaning solution making sure all lubricant and mix film is removed. Take particular care to brush clean the draw valve cores in the freezer door. Place all the cleaned parts on a clean, dry surface to air dry overnight.

Step 8
Wipe clean all exterior surfaces of the freezer.

Section 7 Important: Operator Checklist

During Cleaning and Sanitizing

Cleaning and sanitizing schedules are governed by federal, state, or local regulatory agencies, and must be followed accordingly. If the unit has a "Standby mode", it must not be used in lieu of proper cleaning and sanitizing procedures and frequencies set forth by the ruling health authority. The following check points should be stressed during the cleaning and sanitizing operations.

WE RECOMMEND DAILY CLEANING AND SANITIZING.

ALWAYS FOLLOW LOCAL HEALTH CODES.

Troubleshooting Bacterial Count

☐ 1. Thoroughly clean and sanitize machine regularly, including complete disassembly and brush cleaning.

☐ 2. Use all brushes supplied for thorough cleaning. The brushes are specially designed to reach all mix passageways.

☐ 3. Use the white bristle brush to clean the mix inlet hole which extends from the mix hopper down to the rear of the freezing cylinder.

☐ 4. Use the black bristle brush to thoroughly clean the rear shell bearing located at the rear of the freezing cylinder. Be sure to have a generous amount of cleaning solution on the brush.

☐ 5. IF LOCAL HEALTH CODES PERMIT THE USE OF RERUN, make sure the mix rerun is stored in a sanitized, covered stainless steel container and used the following day. **DO NOT prime the machine with rerun.** When using rerun, skim off the foam and discard. Mix the rerun with fresh mix in a ratio of 50/50 during the days operation.

☐ 6. On a designated day of the week, run the mix as low as feasible and discard it after closing. This will break the rerun cycle and reduce the possibility of high bacteria and coliform counts.

☐ 7. Properly prepare the cleaning and sanitizing solutions. Read and follow label directions carefully. Too strong of a solution may damage the parts and too weak of a solution will not do an adequate job of cleaning or sanitizing.

☐ 8. The temperature of the mix in the mix hopper and walk-in cooler should be below 40°F. (4.4°C.).

Regular Maintenance Checks

☐ 1. Replace scraper blades that are nicked or damaged. Before installing the beater assembly, be certain that scraper blades are properly attached to the helix.

☐ 2. Check the rear shell bearing for signs of wear (excessive mix leakage in rear drip pan) and be certain it is properly cleaned.

☐ 3. Using a screwdriver and cloth towel, keep the rear shell bearing and the female hex drive socket clean and free of lubricant and mix deposits.

☐ 4. Dispose of o-rings and seals if they are worn, torn, or fit too loosely, and replace with new ones.

☐ 5. Follow all lubricating procedures as outlined in "Assembly".

☐ 6. If your machine is air cooled, check the condensers for accumulation of dirt and lint. Dirty condensers will reduce the efficiency and capacity of the machine. Condensers should be cleaned **monthly** with a soft brush. **Never** use screwdrivers or other metal probes to clean between the fins.
Note: For machines equipped with an air filter, it will be necessary to vacuum clean the filters on a monthly schedule.

Caution: Always disconnect electrical power prior to cleaning the condenser.

☐ 7. If your machine is equipped with an auxiliary refrigeration system, check the auxiliary condenser for accumulation of dirt and lint. Dirty condensers will reduce the refrigeration capacity of the mix hopper. Condensers must be cleaned **monthly** with a soft brush. **Never** use screwdrivers or other metal probes to clean between the fins.

Caution: Always disconnect electrical power prior to cleaning the condenser.

☐ 8. If your machine is water cooled, check the water lines for kinks or leaks. Kinks can occur when the machine is moved back and forth for cleaning or maintenance purposes. Deteriorated or cracked water lines should be replaced only by an authorized Taylor distributor.

Winter Storage

If the place of business is to be closed during the winter months, it is important to protect the freezer by following certain precautions, particularly if the building is subject to freezing conditions.

Disconnect the freezer from the main power source to prevent possible electrical damage.

On water cooled freezers, disconnect the water supply. Relieve pressure on the spring in the water valve. Use air pressure on the outlet side to blow out any water remaining in the condenser. **This is extremely important.** Failure to follow this procedure may cause severe and costly damage to the refrigeration system.

Your local Taylor Distributor can perform this winter storage service for you.

Wrap detachable parts of the freezer such as beater, blades, drive shaft, and freezer door, and place them in a protected dry place. Rubber trim parts and gaskets can be protected by wrapping them with moisture–proof paper. All parts should be thoroughly cleaned of dried mix or lubrication which attract mice and other vermin.

Section 8 Troubleshooting Guide

PROBLEM	PROBABLE CAUSE	REMEDY	PAGE REF.
1. No product is being dispensed with draw valve open and the machine in the "AUTO" mode.	a. Freeze-up in mix inlet hole.	a. Call service technician to adjust the mix hopper temperature.	---
	b. Beater motor out on reset.	b. Reset the freezer.	14
	c. The beater is rotating counterclockwise from the operator end.	c. Contact service technician to correct rotation to clockwise from operator end.	---
	d. The circuit breaker is off or the fuse is blown.	d. Turn the breaker on, or replace the fuse.	---
	e. There is inadequate mix in the mix hopper.	e. Fill the mix hopper with mix.	22
	f. The air orifice is not installed.	f. Install air orifice in air tube.	21
	g. Air tube is installed in the "STANDBY" position.	g. Install the air tube in the "AUTO" position.	21
2. The product is too stiff.	a. The viscosity needs adjustment.	a. Contact service technician.	---
	b. The air orifice is not installed.	b. Install air orifice in air tube.	21
3. The product is too soft.	a. Viscosity needs adjustment.	a. Contact service technician.	---
	b. Not enough air space around unit. (Air cooled units)	b. Allow for adequate air flow across the condenser.	6
	c. Worn scraper blades.	c. Replace regularly.	30
	d. Dirty condenser (A/C)	d. Clean monthly.	25
	e. Mix is out of date.	e. Use only fresh mix.	---
	f. Loss of water. (W/C)	f. Locate cause of water loss and correct.	26
	g. Loss of refrigerant.	g. Call a service technician.	---
4. The mix in the mix hopper is too cold.	a. The temperature is out of adjustment.	a. Call service technician to adjust the mix hopper temperature.	---

PROBLEM	PROBABLE CAUSE	REMEDY	PAGE REF.
5. The mix in the mix hopper is too warm.	a. The temperature is out of adjustment.	a. Call service technician to adjust the mix hopper temperature.	---
	b. Missing or defective mix hopper gasket.	b. Replace/install the gasket around the mix hopper.	21
	c. The mix hopper cover is not in position.	c. Place the cover in position.	22
	d. The mix refrigeration light is not lit.	d. Press mix refrigeration button.	22
	e. The condenser is dirty.	e. Clean the condenser.	25
6. The drive shaft is stuck in the drive coupling.	a. Rounded corners of drive shaft, coupling, or both.	a. Call service technician to correct cause, and to replace the necessary components. Do not lubricate the hex end of the drive shaft.	---
	b. Mix and lubricant collected in the drive coupling.	b. Brush clean the rear shell bearing area regularly.	24
7. The freezing cylinder walls are scored.	a. The beater assembly is bent.	a. Call service technician to repair or replace the beater and to correct the cause of insufficient mix in the freezing cylinder.	---
	b. The front bearing is missing or worn on the freezer door.	b. Install or replace the front bearing.	16
8. Excessive mix leakage into the rear drip pan.	a. Missing or worn drive shaft seal on drive shaft.	a. Install or replace regularly.	15 / 30
	b. The rear shell bearing is worn.	b. Call service technician to replace rear shell bearing.	---
9. Excessive mix leakage from door spout.	a. Missing or worn draw valve o-rings.	a. Install or replace regularly.	17 / 30
	b. Inadequate lubrication of draw valve o-rings.	b. Lubricate properly.	17
	c. Wrong type of lubricant is being used (example: petroleum base lubricant).	c. Use the proper lubricant (example: Taylor Lube).	15

PROBLEM	PROBABLE CAUSE	REMEDY	PAGE REF.
10. No freezer operation after pressing the “AUTO” button.	a. Unit is unplugged.	a. Plug into wall receptacle.	---
	b. The circuit breaker is off or the fuse is blown.	b. Turn the breaker on, or replace the fuse.	---
	c. The beater motor is out on reset.	c. Reset the freezer.	14
	d. The unit has gone off on high pressure cut-out.	d. Allow the unit to cool and reset. Check for dirty condenser (air cooled) or loss of water (water cooled).	25/ 26
11. Product is not feeding into the freezing cylinder.	a. Inadequate level of mix in the mix hopper.	a. Fill the mix hopper with mix.	22
	b. The mix inlet hole is frozen up.	b. The mix hopper temperature needs adjustment. Call service technician.	---
	c. The air tube is installed incorrectly.	c. Install the air tube in the mix inlet hole, using the end with the small hole in the side.	21
	d. The air orifice is not installed.	d. Install the air orifice in the air tube.	21

Section 9 Parts Replacement Schedule

PART DESCRIPTION	EVERY 3 MONTHS	EVERY 6 MONTHS	ANNUALLY
Drive Shaft Seal	X		
Scraper Blade	X		
Freezer Door Gasket	X		
Front Bearing	X		
Draw Valve O-Ring	X		
Pivot Pin O-Ring	X		
Prime Plug O-Ring	X		
Air Tube O-Ring	X		
Air Orifice O-Ring	X		
White Bristle Brush, 3" x 7"		Inspect & Replace if Necessary	Minimum
White Bristle Brush, 1" x 2"		Inspect & Replace if Necessary	Minimum
Black Bristle Brush, 1" x 2"		Inspect & Replace if Necessary	Minimum
Double-Ended Brush		Inspect & Replace if Necessary	Minimum

Section 10 Warranty Explanation

Class 103 Parts

The warranty for new equipment Class 103 parts is one year from the original date of unit installation, with a replacement parts warranty of three months.

Class 212 Parts

The warranty for new equipment Class 212 parts is two years from the original date of unit installation, with a replacement parts warranty of twelve months.

Class 512 Parts

The warranty for new equipment Class 512 parts is five years from the original date of unit installation, with a replacement parts warranty of twelve months.

Class 000 Parts

Class 000 parts are considered wear items – no warranty.

Class *** Parts

See warranty explanation on the back of the check–out card.

CAUTION: Warranty is valid only if the parts are authorized Taylor parts, purchased from an authorized Taylor Distributor, and the required service work is provided by an authorized Taylor service technician.

Taylor reserves the right to deny warranty claims on equipment or parts if non–approved parts or refrigerant were installed in the machine, system modifications were performed beyond factory recommendations, or it is determined that the failure was caused by neglect or abuse.

DESCRIPTION	PART NUMBER	336 QTY.	338 QTY.	339 QTY.	WARR. CLASS	REMARKS
ACCUMULATOR-COPPER 2"DIA 10"	047062		1		103	
ADAPTOR A.-CASTER	X18915	4		4	103	
BEARING-FRONT	050216	2	2	2	000	
BEARING-REAR SHELL *NICK.PLATE	031324	2	2	2	000	
+GUIDE-DRIP SEAL	028992	2	2	2	000	
+NUT-BRASS BEARING	028991	2	2	2	000	
+WASHER-BEARING LOCK	012864	2	2	2	000	
BEATER A.-2.8QT-HELICORE	X35466	2	2	2	103	
+BLADE-SCRAPER-PLASTIC 13-1/4L	035480	4	4	4	000	
BELT-AX38	023873	4			000	
BELT-AX33	024396			4	000	
BELT-AX35	022848		4		000	208-230V 60HZ 1PH
BELT-AX36	022849		2		000	208-230V 60 HZ 3 PH (LEFT BEATER MOTOR)
BELT-AX 34	025729		2		000	208-230V 60 HZ 3 PH (RIGHT BEATER MOTOR)
BLOCK-TERMINAL 2P	039422	1	1	2	103	208-230V 60HZ 1PH
BLOCK-TERMINAL 3P	039423	1	1	2	103	208-230V 60HZ 3PH
BLOCK-TERMINAL 5 POLE	024329	1			103	
BLOWER A.-STANDARD OUTPUT	X53725-27	1		1	103	
CAPACITOR-RUN 7.5UF/370V	034749	1		1	103	
MOTOR-FAN 208-230V 50/60 HZ	053481-27	1		1	103	
SCREEN-BLOWER	053729	1		1	103	
BOARD-LOGIC-GEN 2.10-W/SEL DI	X69570SER2	2	2	2	212	208-230V 60HZ 1PH
BOARD-POWER-GEN 1 & 2	X69574-SER	2	2	2	212	
FUSE-.063A-250V-5X20MM-SLO BLO	051272	2	2	2	103	
BRUSH-REAR BRG 1IN.DX2IN.LGX14	013071	1	1	1	000	
BRUSH-DOUBLE ENDED-PUMP&FEED	013072	1	1	1	000	
BRUSH-DRAW VALVE 1"ODX2"X17"L	013073	1	1	1	000	
BRUSH-MIX PUMP BODY-3"X7"WHITE	023316	1	1	1	000	
CABLE A.-2 COND-12 IN-PUSH ON	X38322	1			103	
CABLE A.-2 COND-24 IN-PUSH ON	X34464		1	1	103	
CABLE-RIBBON-PWR/RELAY	069474-60	2			103	
CABLE-RIBBON-14C-30"L-DIP/DIL	069474-30		1		103	

+ Available Separately

121031

DESCRIPTION	PART NUMBER	336 QTY.	338 QTY.	339 QTY.	WARR. CLASS	REMARKS
CABLE-RIBBON-14C-40"L-DIP/DIL	069474-40		1		103	
CABLE-RIBBON-PWR/RELAY-66 IN	069474-66			2	103	
CAP-DESIGN-1.010"ID-6 POINT	014218	3	3	3	000	
CASTER-4" SWV 5/8 STEM	018794	2		2	103	
CASTER-4" SWV 5/8 STEM W/BRAKE	034081	2		2	103	
COMPRESSOR CS17K6E-PFV-238 - EMERSON	052397-27E	1	1		512	208-230V 60HZ 1PH - J9012206 & UP REPLACES 052397-27
+CAPACITOR-RUN 35UF/440V	048132	1	1		103	
+CAPACITOR-START 189-227UF/25	053106	1	1		103	
+RELAY-START-COMPRESSOR	051957-27	1	1		103	
+KIT-MOUNTING-COMPRESSOR	052197	1			000	
COMPRESSOR CS14K6E-PFV	052396-27			2	512	208-230V 60HZ 1PH
+CAPACITOR-RUN 35UF/370V	029439			2	103	
+CAPACITOR-START 189-227UF/250	053106			2	103	
+RELAY-START-COMPRESSOR	052401-27			2	103	
COMPRESSOR CS18K6E-TF5-238	052397-33	1	1		512	208-230V 60HZ 3PH
COMPRESSOR CS14K6E-TF5-238	052396-33			2	512	208-230V 60HZ 3PH
COMPRESSOR TL3G-R134A - DANFOSS	047701-27	1	1	1	512	SHR
+CAPACITOR-START-60UF-220/275V	047703	1	1	1	103	
+KIT-MOUNTING-COMPRESSOR	047704	1	1	1	103	
+RELAY-START-COMPRESSOR-TL3	047702-27	1	1	1	103	
+COVER-TERMINAL	047739	1	1	1	103	
CONDENSER-AC-7X6X1.25-2 ROW	027155	1	1	1	103	SHR
CONDENSER-AC 12LX18HX3.12T-5RW	053502-1	1			103	K302 & UP REPLACES 055813-1
CONDENSER-AC-19X14X2.5-4ROW	048623		1		103	
CONDENSER-AC 12LX18HX3.12T-5RW	055813-1			1	103	
CONDENSER-AC 12LX18HX3.12T-5RW	055813-2			1	103	
COUPLING-DRIVE 3/4 HEX X 1-7/8	012721	2	2	2	103	
+SCREW-5/16-18 X 5/16 ALLEN SET	042511	4	4	4	000	
COVER A.-HOPPER *162-168*	X37963-SER	1			103	
+GASKET-HOPPER COVER-8QT	037042	1			000	
+KNOB-MIX COVER	025429	1			103	
COVER A.-HOPPER-STD	X38458-SER		2	2	103	

+ Available Separately

+ Available Separately

DESCRIPTION	PART NUMBER	336 QTY.	338 QTY.	339 QTY.	WARR. CLASS	REMARKS
+GASKET-HOPPER COVER-20 QT	038474		1	1	000	
+KNOB-MIX COVER	025429		2	2	103	
DECAL-DEC-TAYLOR 336-SOFTECH	038337	1			000	
DECAL-DEC-TAYLOR-SS	032919		1	1	000	
DECAL-INST-CLN HPR	019029	1	1	1	000	
DECAL-TROUBLESHOOTING	038374	1	1	1	000	
DEFLECTOR-BLOWER EXHAUST	048345	1			103	
DEFLECTOR-BLOWER EXHAUST	047912			1	103	
DIAGRAM-WIRING	038333	1			000	208-230V 60HZ 1PH
DIAGRAM-WIRING *336*	038333-33	1			000	208-230V 60HZ 3PH
DIAGRAM-WIRING	051624-27		1		000	208-230V 60HZ 1PH
DIAGRAM-WIRING *338*	051624-33		1		000	208-230V 60HZ 3PH
DIAGRAM-WIRING	046585-27			1	000	208-230V 60HZ 1PH
DIAGRAM-WIRING *754-774*8754	046585-33			1	000	208-230V 60HZ 3PH
DOOR A.-3 SPOUT	X51532-15	1	1	1	103	J5080000/UP
+BEARING-FRONT	050216	2	2	2	000	
+GASKET-DOOR HT 4"-DOUBLE	048926	2	2	2	000	
+HANDLE A.-DRAW ADJUSTABLE	X55096	3	3	3	103	
+SCREW-ADJUSTMENT-5/16-24	055092	3	3	3	000	
+NUT-5/16-24 FINISHED HEX JAM	029639-BLK	3	3	3	000	
+O-RING-1/4 OD X .070W 50 DUR	015872	3	3	3	000	
+PLUG-PRIME	028805	2	2	2	103	
+O-RING-3/8 OD X .070W	016137	4	4	4	000	
+ROD A.-PIVOT	X20683	1	1	1	103	
+O-RING-5/16 OD X .070W	016272	1	1	1	000	
+VALVE A.-DRAW	X18303	3	3	3	103	J7060000 - REPLACED X45380 CENTER
+O-RING-7/8 OD X .103W	014402	6	6	6	000	
DRYER-CAP. TUBE-HP62/R134A	047699	1	1	1	000	SHR
DRYER-FILTER-HP62-3/8 X 1/4S	048901	1	1	2	000	
DVD-OPS-TRAIN-SS-SOFTECH	038047-DVD	1	1	1	000	
EYELET-RESET BUTTON	013739	2	2	2	000	
FASTENER-CLIP 1/4-20 U-TYPE	045865	8		8	000	BASE PAN/PANELS
FILTER-AIR-18.00LX14.25HX.70W	052779-4	1			000	

+ Available Separately

DESCRIPTION	PART NUMBER	336 QTY.	338 QTY.	339 QTY.	WARR. CLASS	REMARKS
+GUIDE-FILTER *336*	054497	1			103	
FILTER-AIR-18.00LX13.50HX.70W	052779-3			1	000	
+GUIDE-FILTER*444*632S*(8)754AC	053784			1	103	
GEAR A.*REDUCER 4.21:1 SERVICE	021286-SER	2	2	2	212	
GUARD-FAN	028534-1		1		103	
GUIDE A.-DRIP PAN	X27554	1			103	
GUIDE A.-DRIP PAN	X51567		1		103	
GUIDE A.-DRIP PAN	X28699			1	103	
HOOD	041026	1			103	
HOOD	042866		1		103	
HOOD	035434			1	103	
KIT A.-MOTOR-FAN	X62253-27	1	1	1	103	
KIT A.-TUNE UP-3 SPOUT-NON HT	X49463-6	1			000	
BEARING-FRONT	050216	2			000	
CAP-DESIGN-1.010"ID-6 POINT	014218	3			000	
GASKET-DOOR HT 4"-DOUBLE	048926	2			000	
O-RING-.563 OD X .070W-#013	043758	8			000	
O-RING-3/8 OD X .070W	016137	6			000	
O-RING-5/16 OD X .070W	016272	1			000	
O-RING-7/8 OD X .BW	014402	6			000	
SEAL-DRAW VALVE	034698	1			000	
SEAL-DRIVE SHAFT	032560	2			000	
TOOL- 0-RING REMOVAL	048260-WHT	1			000	
KIT A.-TUNE UP-3 SPOUT-NON HT	X49463-4		1	1	000	
BEARING-FRONT	050216		2	2	000	
CAP-DESIGN-1.010"ID-6 POINT	014218		3	3	000	
GASKET-DOOR HT 4"-DOUBLE	048926		2	2	000	
O-RING-.643 OD X .077W	018572		8	8	000	
O-RING-3/8 OD X .070W	016137		6	6	000	
O-RING-5/16 OD X .070W	016272		1	1	000	
O-RING-7/8 OD X .103W	014402		6	6	000	
SEAL-DRAW VALVE	034698		1	1	000	
SEAL-DRIVE SHAFT	032560		2	2	000	

+ Available Separately

DESCRIPTION	PART NUMBER	336 QTY.	338 QTY.	339 QTY.	WARR. CLASS	REMARKS
TOOL-O-RING REMOVAL	048260-WHT		1	1	000	
LABEL-DOOR-MOVE PART	032749	1	1	1	000	
LABEL-WARN-COVER	051433	5	5	6	000	
LABEL-SWITCH-POWER *OFF/ON*	052632	1	1	1	000	J8080000/UP (ON POSITION ON RIGHT SIDE)
LABEL-3PH MTR PROT/1PH C-ENG/S	025949	1	1	1	000	208-230V 60HZ 3PH
LABEL-CK MTR ROTATE-CW-ENG/SPN	020090	1	1	1	000	208-230V 60HZ 3PH
LEG-4" SS-W/ORING	013458		4		103	
LOUVER-SIDE-TOP *772* 430 SS	051191	2	1	2	103	MODEL 338 - LEFT SIDE
LUBRICANT-TAYLOR 4 OZ.	047518	1	1	1	000	
MAN-OPER 300 SERIES SOFTECH	036029-M	1	1	1	000	
MOTOR-1.0 HP	013102-27	2	2	2	212	208-230V 60HZ 1PH
MOTOR-1.0 HP	013102-33	2	2	2	212	208-230V 60HZ 3PH
MOTOR-FAN 95.3 CFM 2700 RPM	062253-27	*	*	*		SEE - KIT A.-MOTOR FAN
MOTOR-FAN 50W W/GROUNDWIRE	029770-27		1		103	208-230V 60HZ 3PH
+FAN-5 BLADE 12" PUSH 22DEG	049009		1		103	
NUT-STUD *460-664-754-56*LONG	034382	2	2	2	103	
NUT-STUD *460-664-754-56*SHORT	034383	2	2	2	103	
ORIFICE	022465-100	2	2	2	103	
+O-RING-3/8 OD X .070W	016137	2	2	2	000	
PAIL-MIX 10 QT.	013163	1		1	000	
PAIL-MIX 6 QT.	023348		1		000	
PAN A.-DRIP - 17-1/4" LONG	027504	1		1	103	SIDE PANEL MOUNT
PAN A.-DRIP - 15-1/8" LONG	X51601		1		103	FRONT PANEL MOUNT
PAN A.-DRIP HINGED	X41844		1		103	INTERNAL MOUNT
PANEL A.-FRONT	X42821-SP1	1			103	
PANEL A.-LOWER SIDE	X24424-SER	1		2	103	RIGHT
PANEL A.-SIDE LWR FLT *336AC*L	X54503-SER	1			103	
PANEL-REAR	029816	1			103	
PANEL-SERVICE	042824	1			103	
PANEL-UPPER SIDE LEFT	028740	1		1	103	
PANEL-UPPER SIDE RIGHT	028741	1		1	103	
PANEL A.-FRONT	X51590		1		103	
PANEL A.-SIDE LEFT	X51596-SER		1		103	

+ Available Separately

DESCRIPTION	PART NUMBER	336 QTY.	338 QTY.	339 QTY.	WARR. CLASS	REMARKS
PANEL A.-SIDE RIGHT	X48596		1		103	UPPER
PANEL-SIDE-RIGHT	048487		1		103	LOWER
PANEL-REAR	051600		1		103	
PANEL A.-FRONT	X32956			1	103	
PANEL-REAR*444*632S*(8)754*AC	053782			1	103	
PANEL-SERVICE	024439			1	103	
PLATE-DEC-336*	038081	1			103	
PLATE-DEC-754-755	032961		1	1	103	
PLUG-DRIP TRAY HOLE	029595	1		1	000	
PROBE A.-MIX *SQUARE*	X30922	2	2	2	103	
PROBE A.-THERMISTOR - BARREL	X31602	2	2	2	103	
PROBE A.-THERMISTOR/RESISTOR - HOPPER	X50717	1	1	1	103	336-J8112694/UP, 339-J6090000/UP
PROBE A.-THERMISTOR - HOPPER	X34466	*		*	103	336-PRIOR J8112694, 339-PRIOR J6090000
PULLEY-2AK20 X 5/8 BORE	034238	2	2	2	103	BEATER MOTOR
PULLEY-2AK64-5/8 BORE	039695	2	2	2	103	GEAR
RECEPTACLE A.-QUICK CONNECT	X33321	2	2	2	103	DRAW SWITCH
RELAY-3 POLE-20A-208/240 50/60	012725-33	1	1	2	103	COMPRESSOR
RELAY-SPDT-30 A-240 V	032607-27	1		1	103	BLOWER MOTOR
SANITIZER KAY-5 125 PACKETS	041082		*	*	000	
SANITIZER-STERA SHEEN-GREEN	055492	*			000	100/2OZ. PACKETS/CS FOR RESALE
SANITIZER-STERA SHEEN GR.	010425	*			000	64 OZ JAR
SHAFT-BEATER	033235	2	2	2	103	
+SEAL-DRIVE SHAFT	032560	2	2	2	000	
SHELL A.-INSULATED	X52982-SP	1			512	
+STUD-NOSE CONE	022822	4			103	
SHELL A.-INSULATED	X50770-SER		1	1	512	339-J6090000/UP
+STUD-NOSE CONE	022822		4	4	103	
SHIELD-SPLASH *5454-8-752-336*	022765	1			103	
SHIELD-SPLASH 23 L	022766		1	1	103	
SKIRT-AIR FLOW	048489		1		103	
+COLLAR-HOLDING	019481		3		103	
+SCREW-HOLDING COLLAR	001086		3		000	

+ Available Separately

DESCRIPTION	PART NUMBER	336 QTY.	338 QTY.	339 QTY.	WARR. CLASS	REMARKS
STARTER-1 PHASE-4.5 TO 7 A	041950-27K	2	2	2	103	208-230V 60HZ 1PH
OVERLOAD-THERMAL	047150-27K	2	2	2	103	
STARTER-3 PHASE-3 TO 5 AM	041950-33J	2	2	2	103	208-230V 60HZ 3PH
OVERLOAD-THERMAL	047150-33J	2	2	2	103	
SWITCH A.-DRAW *336*SELF CLOSE	X43417-SER	1			103	
ARM-SWITCH-DRAW-LEFT	038649	1			103	
ARM-SWITCH-DRAW-RIGHT	038650	1			103	
BRACKET A.-SPRING RETURN	X38257	1			103	
E-RING 1/4	032190	4			000	
PIN-PIVOT-DRAW SWITCH	038484	1			103	
SPRING-EXTENSION.375X.045X1.00	038922	2			103	
SPRING-RETURN-LEFT-TWIN TWIST	038923	1			103	
SPRING-RETURN-RIGHT	038924	1			103	
SWITCH A.-DRAW-TWIN TWIST	X39269	1			103	
BRACKET-DRAW SWITCH	039264	1			103	
SWITCH-LEVER-SPDT-11A-125	039252	2			103	
SWITCH A.-DRAW *SELF CLOSING*	X38547		1	1	103	
ARM-SWITCH-DRAW-LEFT	038649		1	1	103	
ARM-SWITCH-DRAW-RIGHT	038650		1	1	103	
BRACKET A.-SPRING RETURN	X38257		1	1	103	
BRACKET A.-SWITCH *338-39-754	X38252		1	1	103	
E-RING 1/4	032190		4	4	000	
PIN-PIVOT-DRAW SWITCH	038484		1	1	103	
ROD-SPRING RETAINER	038254		1	1	103	
SCREW-8-32X3/8 HEX HD TYPE 23	039267		2	2	000	
SPRING-EXTENSION.375X.045X1.00	038922		2	2	103	
SPRING-RETURN-LEFT-TWIN TWIST	038923		1	1	103	
SPRING-RETURN-RIGHT-TWIN	038924		1	1	103	
SWITCH A.-DRAW-TWIN TWIST	X39269		1	1	103	
BRACKET-DRAW SWITCH-TWIN	039264		1	1	103	
SCREW-4-40 X1/2"TAPTITE PAN	042604		4	4	000	
SWITCH-LEVER-SPDT-11A-125	039252		2	2	103	
SWITCH-PRESSURE 405 PSI-SOLDER	052663	1	1	2	103	

+ Available Separately

DESCRIPTION	PART NUMBER	336 QTY.	338 QTY.	339 QTY.	WARR. CLASS	REMARKS
SWITCH-TOGGLE-4PDT*ON-NONE-ON	037394	1	1	1	103	
TRAY-DRIP 16-7/8L X 5-1/8	020157	1			103	
TRAY-DRIP 22-7/8L X 5-1/8W	014533		1	1	103	
TRIM-FRONT	051595		1		103	
TRIM-REAR CORNER LEFT	013761	1		1	103	
TRIM-REAR CORNER RIGHT	013663	1		1	103	
TRIM-REAR CORNER LEFT	044280		1		103	
TRIM-REAR CORNER RIGHT	044281		1		103	
TUBE-FEED 5/32 DIA. HOLE	043461-2	2			103	
+O-RING-.563 OD X .070W-#013	043758	8			000	
TUBE A.-FEED-SS-5/32 HOLE DIA	X29429-2		2	2	103	
+O-RING-.643 OD X .077W	018572		8	8	000	
VALVE-ACCESS-1/4MFL X 3/8ODSDR	053565	2	2	4	103	
VALVE-ACCESS-1/4 MFLX1/4 S-90	047016	1	1	2	103	
VALVE-ACCESS-1/4FL X 1/4SOLDER	044404	1	1	1	103	
VALVE-EPR 1/4S	022665	1	1	1	103	
VALVE-EXP-AUTO-1/4S X1/4 FPT	046365	2	2	2	103	
+BOOT-EXPANSION VALVE	050900	2	2	2	000	J7010000/UP
VALVE-SOLENOID 7/16 ORF 5/8ODF	048626-27	2	2		103	SUCTION
VALVE-SOLENOID 7/64ORF X 1/4S	043449-27	2	2		103	LIQUID
WASHER-PLASTIC PIVOT	013808	4	4	4	000	UPPER SIDE PANEL

DESCRIPTION	PART NUMBER	336 QTY.	338 QTY.	339 QTY.	WARR. CLASS	REMARKS
WATER COOLED						
BLOWER-100 CFM	012796-27	1		1	103	
+GUARD-BLOWER	022505	1		1	103	
BRACKET-VALVE-WATER MOUNT	038777	1	1		103	038778 SCREW-8-32X5/16 PHIL PAN
CLAMP-HOSE 7/8-EAR-ZINC PLATE	043891	4		8	000	
CONDENSER-W/C COAX	047540	1			103	
CONDENSER-WC-SPIRAL 11-1/2 OD	049309		1		103	
CONDENSER-W/C COAX	048287			2	103	
COUPLING-3/8 NPT BLACK PI	010878	3			103	

+ Available Separately

DESCRIPTION	PART NUMBER	336 QTY.	338 QTY.	339 QTY.	WARR. CLASS	REMARKS
HOSE-RUBBER 1/2 ID X 7/8 OD	R50200	5'	5'	10'	000	
+CLAMP-HOSE 3/4 ID CONST TENSN	067113	4	4		000	NEW STYLE AUTOMOTIVE
+CLAMP-HOSE 7/8-EAR-ZINC PLATE	043891			8	000	OLD STYLE
MOTOR-FAN-25W 230V	015184-27		1		103	
+FAN-5 BLADE 10 " PUSH	013043		1		103	
+BRACKET-FAN *337*	045652		1		103	
OUTLET A.-TEE	X25900			1	103	
PANEL-REAR	017563			1	103	
PIPE TEE 3/8-WATER VALVE-	032953			1	103	
SWITCH-PRESSURE 350PSI-SOLDER	048231	1	1	2	103	
VALVE-WATER 3/8 REG/HEAD PRESS	046686	1	1	2	103	
50Hz						
BELT-AX33	024396			4	000	
BELT-AX34	025729		2		000	220-240V 50HZ 3PH
BELT-AX36	022849		2		000	220-240V 50HZ 3PH
BELT-AX39	023874	4			000	220-240V 50HZ 1PH /380-450V 60H 3N~/BEATER MTR
BLOCK-TERMINAL 2 POLE	039421			2	103	220-240/50/1 / 380-450V 60H 3N~
BLOCK-TERMINAL 2P .25 SPA	051644	1			103	220-240V 50HZ 1PH
BLOCK-TERMINAL 2P L1,L2	039422		2		103	
BLOCK-TERMINAL 2P L1,N	039421	1		2	103	220-240V 50HZ 1PH
BLOCK-TERMINAL 3P L1,L2,L	039423	1	1	2	103	220-240V 50HZ 3PH / 460V 60H 3PH
BLOCK-TERMINAL 4P L1,L2,L	039424		1		103	380-415V 50HZ 3N~
BLOCK-TERMINAL-7 POLE GREEN	024156	1	1	2	103	200V 50/60HZ 3PH / 220-240V 50HZ 1PH/3PH / 380-450V 60HP 3N~ / 460V 60HZ 3PH
BLOCK-TERMINAL-2 POLE	039422	2			103	
CABLE-RIBBON-PWR/RELAY-60	069474-60			2	103	220-240V 50HZ 3PH /220-240V 50HZ 1PH /380-450V 60HP 3N~
COMPRESSOR CS14K6E-TF5-23	052396-33			1	512	220-240V 50HZ 3PH / 200V 50/60HZ 3PH
COMPRESSOR CS14K6E-PFJ-23	052396-40			2	512	220-240V 50HZ 1PH
+CAPACITOR-RUN 35UF/370V	029439			2	103	220-240V 50HZ 1PH
+CAPACITOR-START 145-175UF	012901			2	103	220-240V 50HZ 1PH
+RELAY-START-COMPRESSOR	051957-12			2	103	220-240V 50HZ 1PH

+ Available Separately

DESCRIPTION	PART NUMBER	336 QTY.	338 QTY.	339 QTY.	WARR. CLASS	REMARKS
COMPRESSOR CS18K6E-TF5-23	052397-33	1	1		512	220-240V 50HZ 3PH / 380-415V 50HZ 3N~
COMPRESSOR - COPELAND	052397-40	1			512	220-240V 50HZ 1PH
+CAPACITOR-RUN-45UF-370V	052400	1			103	220-240V 50HZ 1 PH - COPELAND - J9012206/UP
+CAPACITOR-START	052399	1			103	220-240V 50HZ 1 PH - COPELAND - J9012206/UP
+RELAY-START-COMPRESSOR	052401-27	1			103	220-240V 50HZ 1 PH - COPELAND - J9012206/UP
COMPRESSOR CS14K6E-TFD-23	052396-58			2	512	380-415V 50HZ 3N~
COMPRESSOR CS18K6E-TFD-23	052397-58	1			512	460V 60HZ 3PH
DIAGRAM-WIRING *336*	038333-39	1			000	200V 50/60HZ 3PH
DIAGRAM-WIRING	038333-34	1			000	220-240V 50HZ 1PH
DIAGRAM-WIRING *336*GEN I	038333-62	1			000	380-415V 50HZ 3N~
DIAGRAM-WIRING *336*	038333-63	1			000	460V 60HZ 3PH
DIAGRAM-WIRING *338*	051624-35		1		000	220-240V 50HZ 3PH
DIAGRAM-WIRING	051624-40		1		000	220-240V 50HZ 1PH
DIAGRAM-WIRING *754-774*8	046585-35			1	000	220-240V 50HZ 3PH
DIAGRAM-WIRING	046585-34			1	000	220-240V 50HZ 1PH
DIAGRAM-WIRING *754-774*8	046585-39			1	000	220V 50/60HZ 3PH
DIAGRAM-WIRING *754-774*8	046585-62			1	000	380-415V 50HZ 3N~
DVD-OPS-TRAIN-SS-SOFTECH	038047-DVD	1			000	
LABEL-3PH MTR PROT/1PH C-ENG/S	025949	1	1	1	000	220-240V 50HZ 3PH / 460V 60HZ 3PH
LABEL-CK MTR ROTATE-CW-ENG/SPN	020090	1	1	1	000	200V 50/60HZ 3PH / 460V 60HZ 3PH
MOTOR-1.0 HP	013102-33	2	2	2	212	200V 50/60HZ 3PH / 460V 60HZ 3PH
MOTOR-1.0 HP	013102-34	2		2	212	220-240V 50HZ 1PH
MOTOR-1.0 HP	013102-35	2	2	2	212	220-240V 50HZ 3PH / 380-415V 50HZ 3N~
PULLEY 2AK25 X .625	021076	2	2	2	103	220-240V 50HZ 1PH/3PH / 380-450V 60PH 3N~BEATER MOTOR
RELAY-3 POLE-20A-208/240	012725-33	1			103	220-240V 50HZ 1PH/3PH
STARTER-3 PHASE-2.0 TO 3.	041950-33H		2	2	103	220-240V 50HZ 3PH
OVERLOAD-THERMAL-3P-2.0/3.3A	047150-33H		2	2	103	220-240V 50HZ 3PH
STARTER-3 PH 1.4 TO 2.3A	041950-33G	2	2		103	380-415V 50HZ 3N~ / 460V 60HZ 3PH
OVERLOAD-THERMAL	047150-33G	2	2	2	103	
TRANS.-CONT.-1 KVA	021093	1		1	103	460V 60HZ 3PH

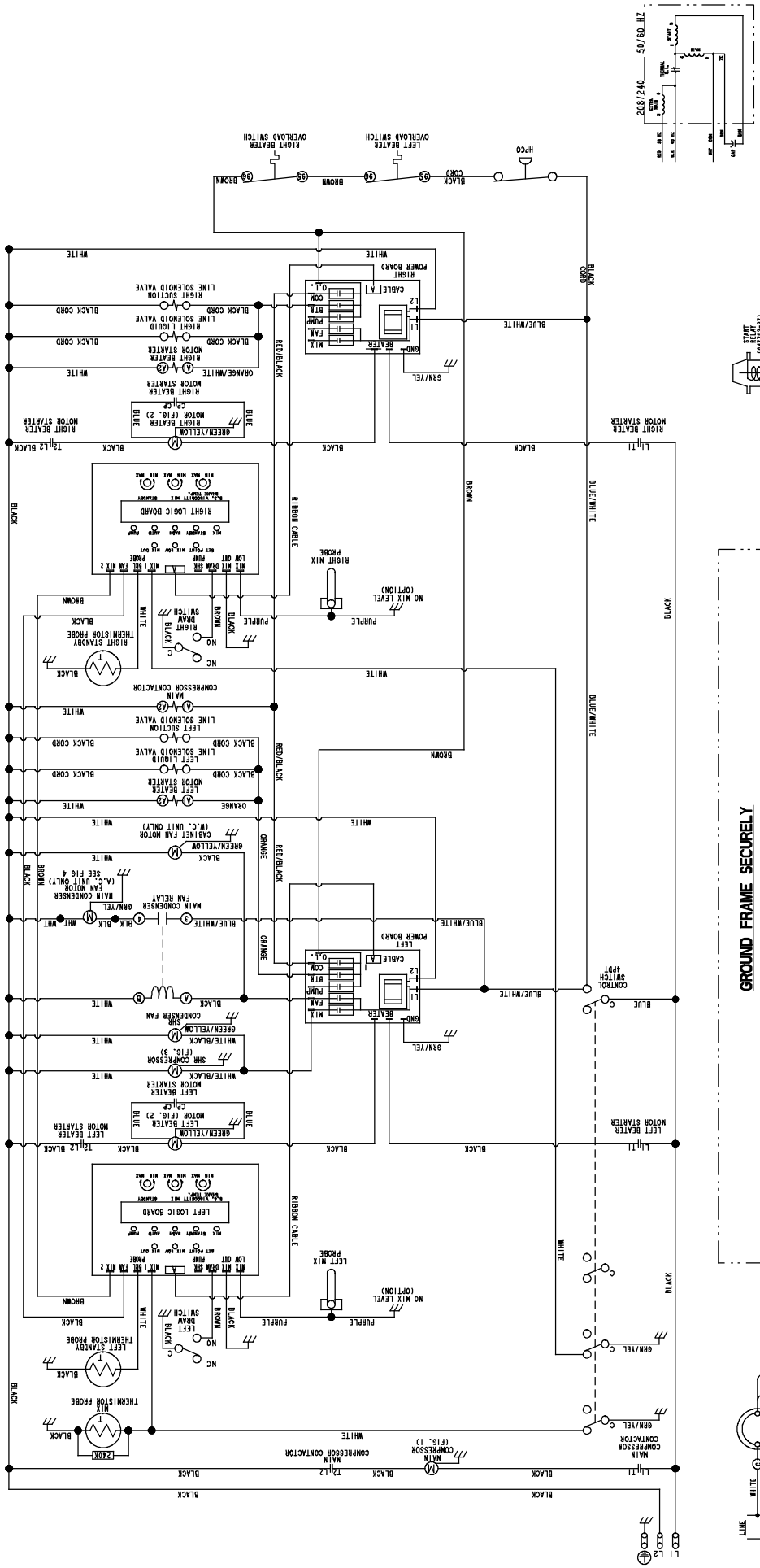


FIG. 2

FIG.4

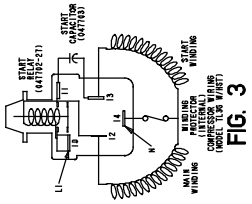


FIG. 3

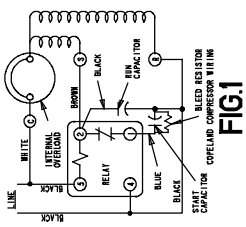


FIG.1

Model 336
038333
Rev. 7/12

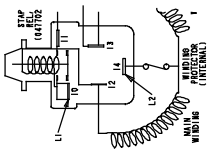
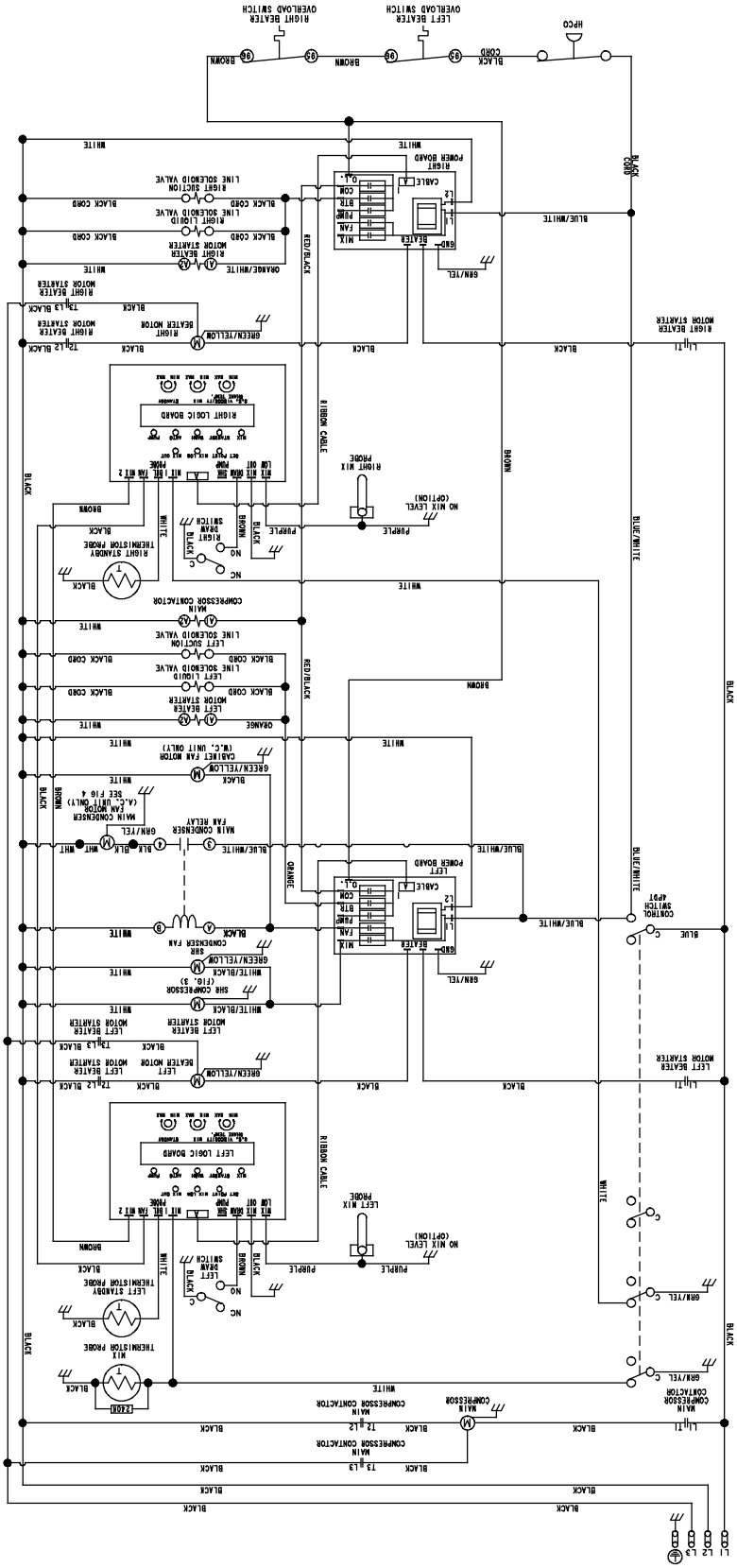
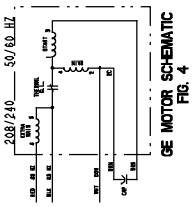


FIG. 3

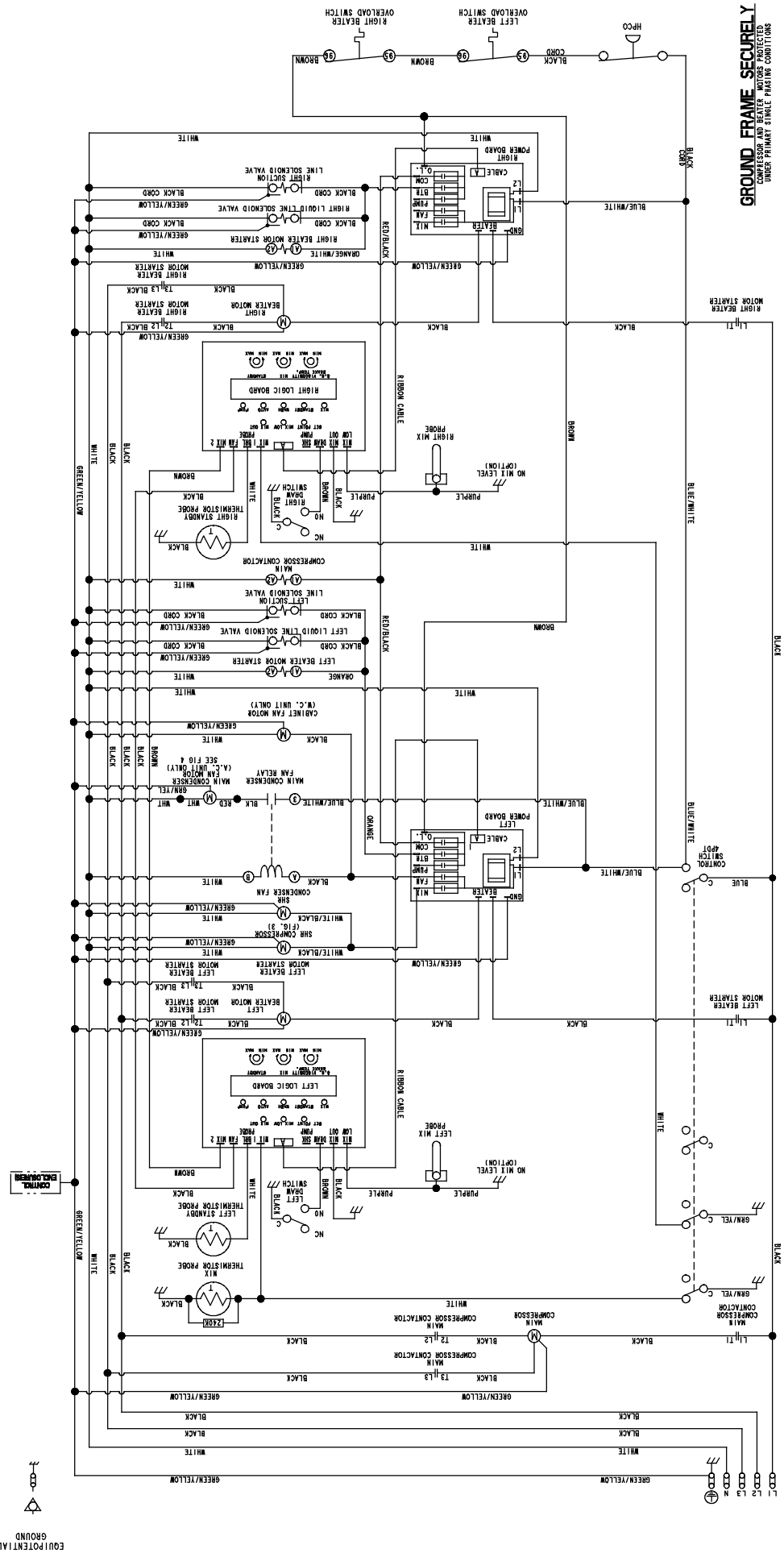


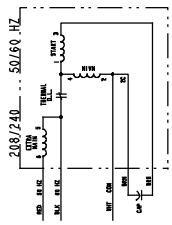


GE MOTOR SCHEMATIC
FIG. 4

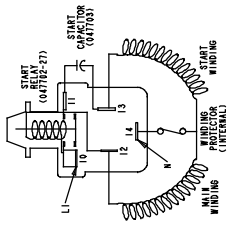
GROUND FRAME SECURELY
COMPRESSOR AND BEATER MOTORS PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS

Model 336
038333-33
Rev. 7/12



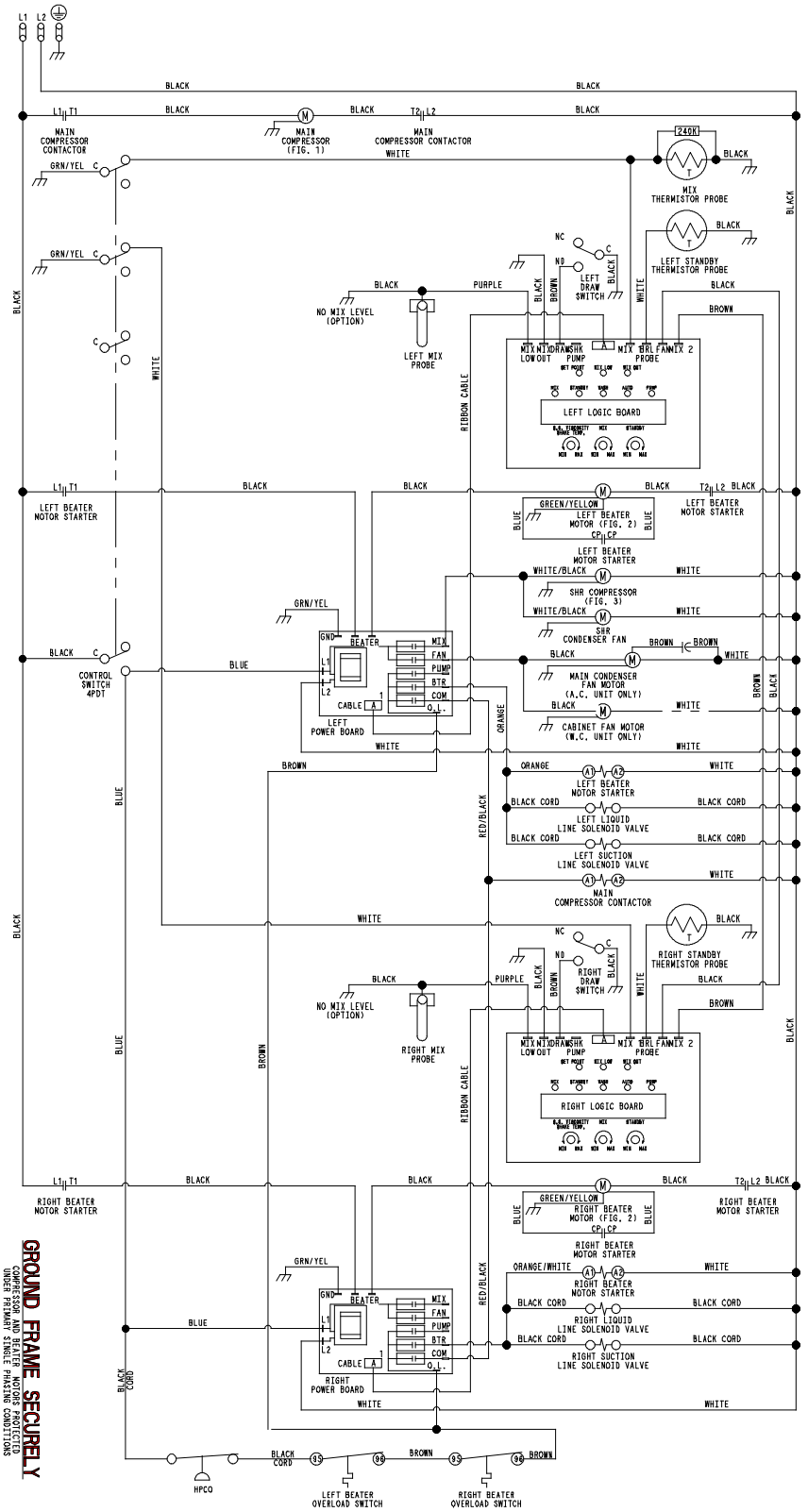


GE MOTOR SCHEMATIC
FIG. 4



COMPRESSOR WIRING
(MODEL TL30 W/HST)
FIG. 3

Model 336
038333-62
Rev. 7/12



GROUND FRAME SECURELY

COMPRESSOR AND BEATER MOTORS PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS

NOTE: FOR CCMLE - BLUE INTERNAL ON #1, YELLOW INTERNAL ON #2

GE/RBC BEATER MOTOR WIRING

BEATER MOTOR CONTACTOR

T4 OR YELLOW INTERNAL

T1 OR BLUE INTERNAL
T8 OR RED INTERNAL

J9 OR BLACK INTERNAL

J12 OR PURPLE INTERNAL

USE T3 AND L3 WHEN CP CONTACTS ARE NOT AVAILABLE

FIG. 2

STEPS:
1) REMOVE BROWN JUMPER FROM BETWEEN TERMINAL #1 TO TERMINAL #5
2) MOVE BLUE INTERNAL (FROM MOTOR MAIN WINDING) TO TERMINAL #5
NOTE: FOR CCMLE - BLUE INTERNAL ON #1, YELLOW INTERNAL ON #6

MAGNETEK BEATER MOTOR WIRING

STEPS:
1) DISCONNECT WIRE T7 FROM TERMINAL 3
2) SPLICE BLUE WIRE AS SHOWN

LEESON BEATER MOTOR WIRING

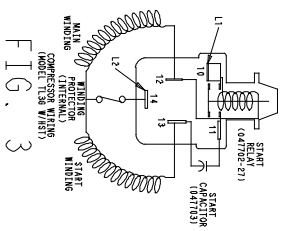


FIG. 3

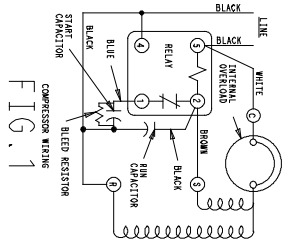
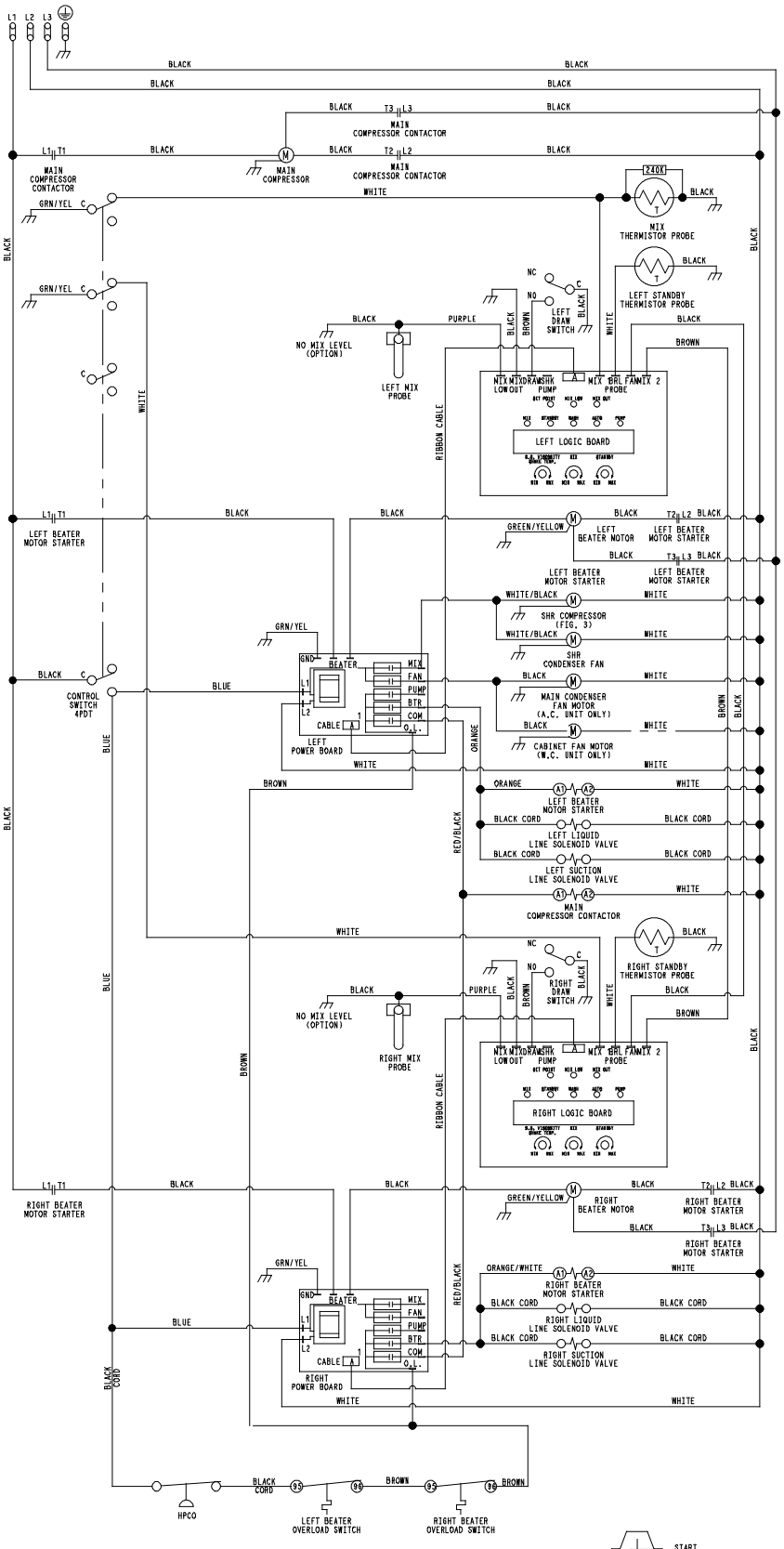


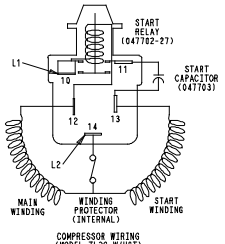
FIG. 1

Model 338
051624-27
Rev. 8/11



GROUND FRAME SECURELY

COMPRESSOR AND BEATER MOTORS PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS



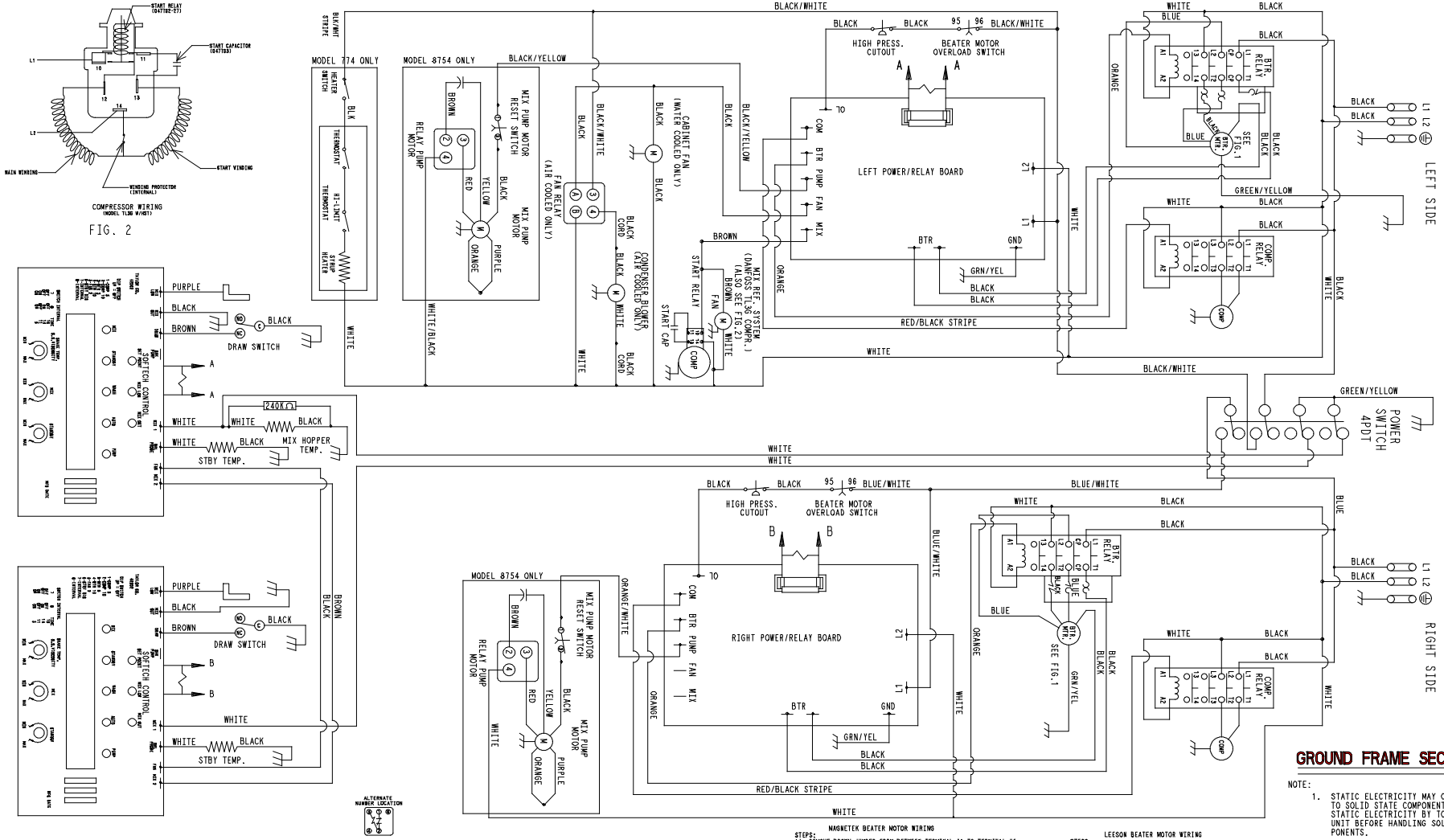
COMPRESSOR WIRING (MODEL TL3G W/HST)

FIG. 3

Model 338
051624-33
Rev. 8/11

COMPRESSOR WIRING
(MODEL TL30 W/HST)

FIG. 2



GROUND FRAME SECURELY

NOTE:

1. STATIC ELECTRICITY MAY CAUSE DAMAGE TO SOLID STATE COMPONENTS. ELIMINATE STATIC ELECTRICITY BY TOUCHING GROUNDED UNIT BEFORE HANDLING SOLID STATE COMPONENTS.
2. RED WIRE ON RIBBON CABLES MUST BE CONNECTED TO PIN 1 AT EACH END.

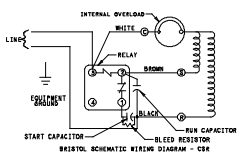


FIG. 3

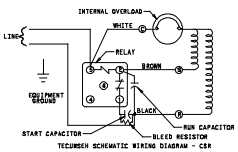


FIG. 4

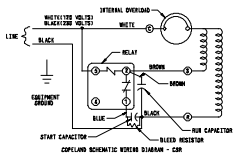
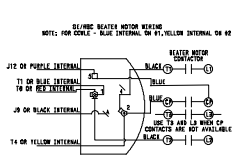


FIG. 5


GE/HBC BEATER MOTOR WIRING
NOTE: FOR CCMLE - BLUE INTERNAL ON #1,YELLOW INTERNAL ON #2
BEATER MOTOR CONTACTOR
J12 OR PURPLE INTERNAL
T1 OR BLUE INTERNAL
T6 OR RED INTERNAL
J9 OR BLACK INTERNAL
T4 OR YELLOW INTERNAL
USE T3 AND L3 WHEN CP CONTACTS ARE NOT AVAILABLE

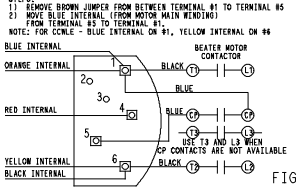
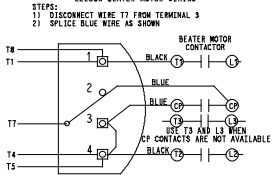

MAGNETEK BEATER MOTOR WIRING
STEPS:
1) REMOVE BROWN JUMPER FROM BETWEEN TERMINAL #1 TO TERMINAL #5
2) MOVE BLUE INTERNAL (FROM MOTOR MAIN WINDING) FROM TERMINAL #5 TO TERMINAL #1.
NOTE: FOR CCMLE - BLUE INTERNAL ON #1, YELLOW INTERNAL ON #6
BLUE INTERNAL
ORANGE INTERNAL
RED INTERNAL
YELLOW INTERNAL
BLACK INTERNAL
BEATER MOTOR CONTACTOR
USE T3 AND L3 WHEN CP CONTACTS ARE NOT AVAILABLE

FIG. 1


LEESON BEATER MOTOR WIRING
STEPS:
1) DISCONNECT WIRE T7 FROM TERMINAL 3
2) SPLICE BLUE WIRE AS SHOWN
BEATER MOTOR CONTACTOR
USE T3 AND L3 WHEN CP CONTACTS ARE NOT AVAILABLE

Model 339
046585-27
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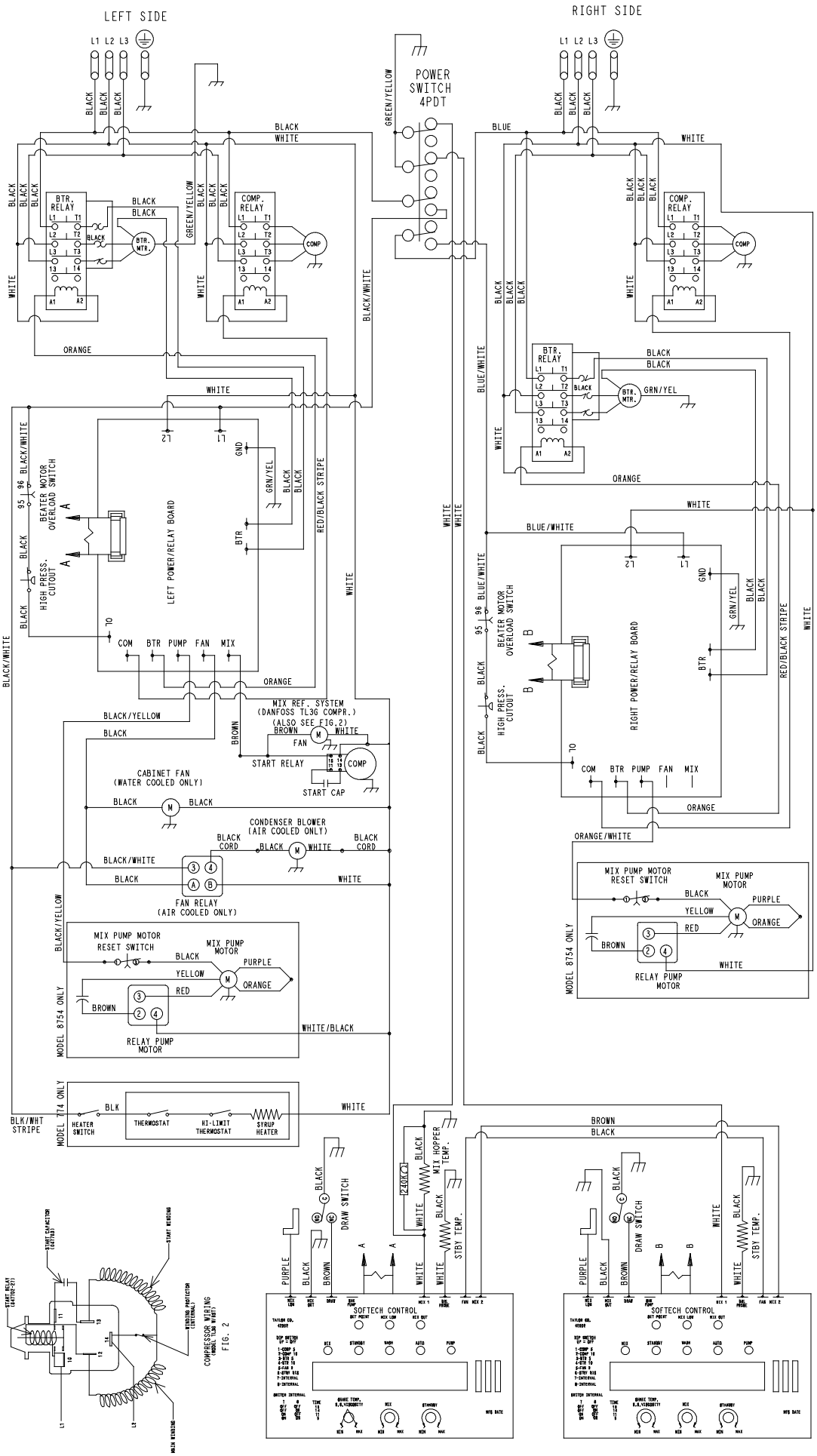
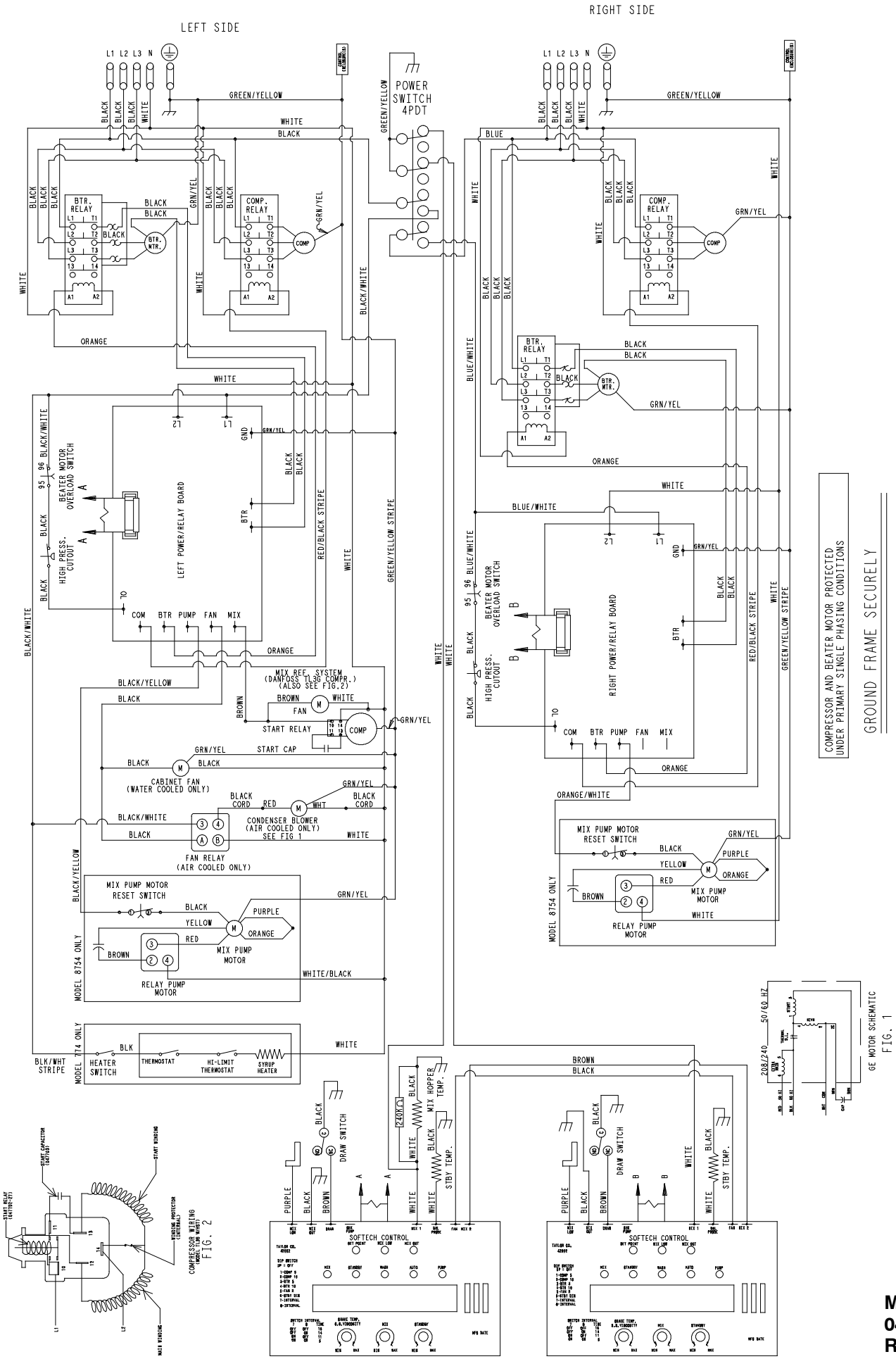


FIG. 2

Model 339
046585-33
Rev. 8/11



Model 339
046585-62
Rev. 8/11